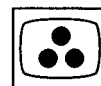


NORDMENDE

SABA

TELEFUNKEN

THOMSON

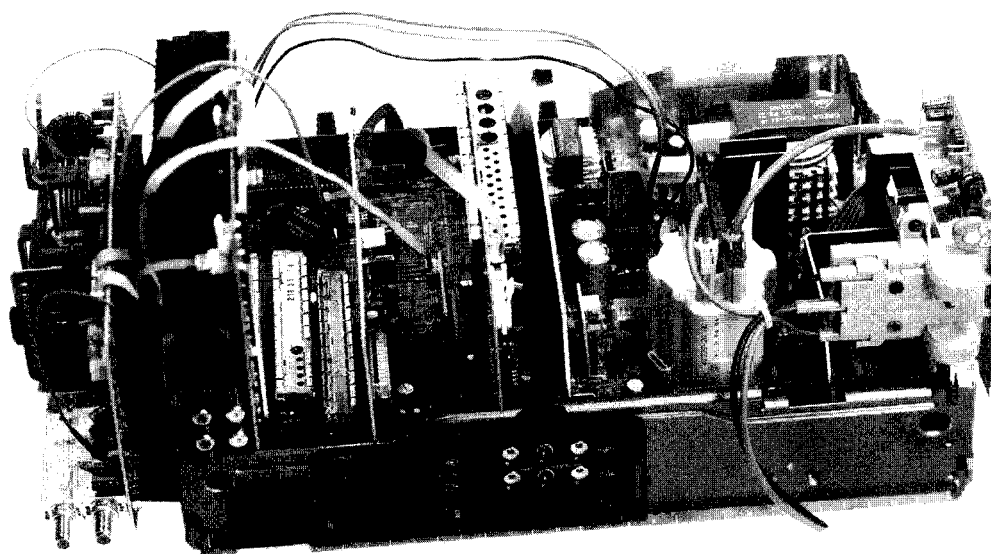


**SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA**

ICC11 DM

ICC 1 X Y Z

0	0	0
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9



WARNING : *Before servicing this chassis read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

Code : 103 870 10 - 10/95

⚠ Indicates critical safety components, and identical components should be used for replacement. Only then can the operational safety be guaranteed.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) nicht durch Original - Ersatzteile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio. In tal caso è "esclusa la responsabilità" del costruttore.

La sustitución de elementos de seguridad (marcados con el símbolo ⚠) por componentes no homologados según la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDIZIONI DI MISURA - CONDICIONES DE MEDIDAS

RECEIVER : On UHF, input level : 1 mV, bar test pattern :
- PAL, I standard, 100% white.

Via the scart socket, input level : 1 Vpp, bar test pattern :

Colour, contrast and brightness at mid-position, sound at minimum.
Programme selected : PR 01.

DC voltages measured between the point and earth using a digital voltmeter.

RECEPTEUR : En UHF, niveau d'entrée 1 mV, mire de barres
- SECAM, Norm L, Blanc 100%.

Par la prise Peritelevision, niveau d'entrée 1 Vcc, mire de barres.

Couleur, contraste, lumière à mi-course, son minimum.
Programme affecté PR 01.

Tensions continues relevées par rapport à la masse avec un voltmètre numérique.

EMPFÄNGER : Bei UHF Eingangspegel 1 mV, Farbbalken :
- PAL, Norm G, Weiss 100%.

Über die Scartbuchse : Eingangspegel 1 Vss, Farbbalken :

Farbe, Kontrast, Helligkeit in der Mitte des Bereichs, Ton auf Minimum.
Zugeordnetes Programm PR 01.

Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen.

RICEVITORE : In UHF, livello d'entrata 1 mV, monoscopio per barre :
- PAL, norma G, bianco 100%.

Per la presa SCART, livello d'entrata 1 Vcc, monoscopio per barre :

Colore, Contrasto, Luce a metà corsa. Suono minimo.
Programma designato PR 01.

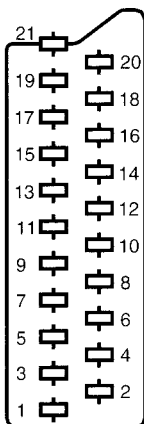
Tensioni continue rilevate rispetto alla massa con un voltmetro numerico.

RECEPTOR : En UHF, nivel de entrada 1 mV, mira de barras :
- PAL, norma G, blanco 100%.

Por la toma Peritelevision, nivel de entrada 1 Vpp mira de barra.

Color, Contraste, luz a mitad de carrera. Sonido mínimo.
Programa afectado PR 01.

Tensiones continuas marcadas en relación a la masa con un voltmetro digital.



NOTE : **MAIN** ... etc. identifies each pcb module.

NOTE : **MAIN** ... etc. repères des platines constituant l'appareil.

HINWEIS : **MAIN** ... usw.
Kennzeichnung der Platinen, aus denen das Gerät zusammengesetzt ist.

NOTA : **MAIN** ... ecc. indicazioni delle piastre che costituiscono l'apparecchio.

NOTA : **MAIN** ... etc. marcas de las placas que constituyen el aparato.

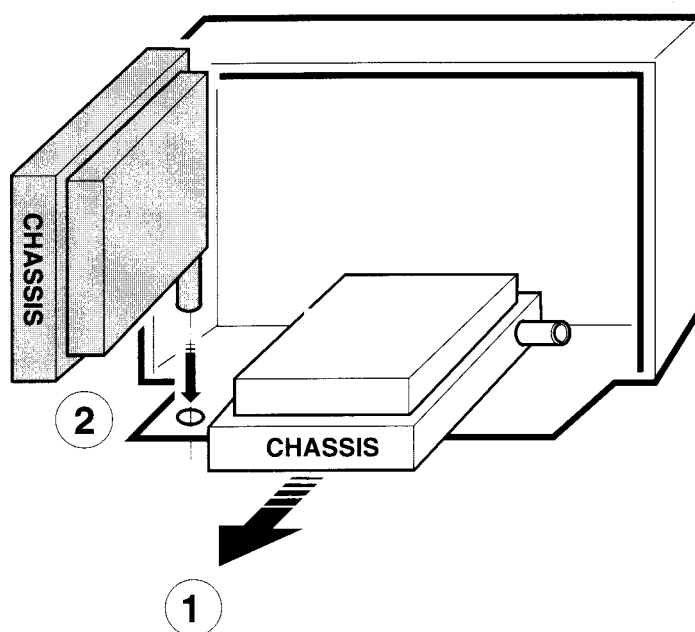
		ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPAÑOL
1	→	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
2	→	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
3	→	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "S"	AUDIO "I"
4	—	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO
5	—	"BLUE"	"BLEU"	"BLAU"	"BLU"	"AZUL"
6	→	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "S" MONO	AUDIO "I" MONO
7	→	"BLUE"	"BLEU"	"BLAU"	BLU	AZUL
8	→	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	"COMMUTAZIONE LENTA"	"CONMUTACION LENTA"
9	—	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"
10	NC					
11	→	"GREEN"	"VERT"	"GRÜN"	"VERDE"	"VERDE"
12	NC					
13	—	"RED"	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
14	NC					
15	→	"RED"	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
16	→	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
17	—	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
18	—	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
19	→	VIDEO	VIDEO	VIDEO	VIDEO	VIDEO
20	→	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDEO ODER SYNCHRO	VIDEO O SINCRO	VIDEO O SINCRO
21	→	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	ARMATURA DELLA SPINA	BLINDAJE DEL ENCHUFE

→ : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA

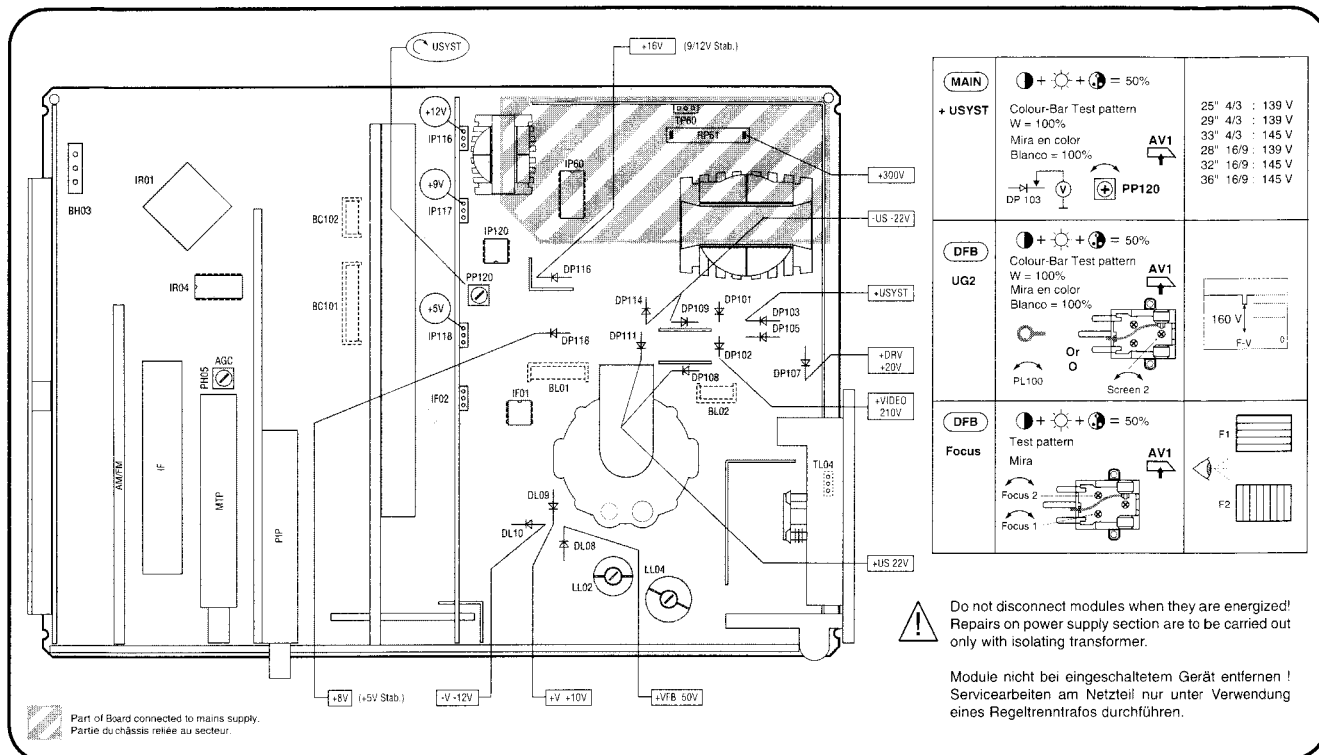
→ : INPUT - ENTRÉE - EINGANG - ENTRATA - ENTRADA

— : EARTH - MASSE - MASSE - MASSA - MASA

**SERVICE POSITION - POSITION SERVICE - SERVICESTELLUNG
POSIZIONE SERVIZIO - POSICIÓN SERVICIO**



CONTROLS - EINSTELLER



SERVICE MODE

I - ENTER/EXIT SERVICE MODE - EIN/AUSTIEG SERVICE MODE

1 ACCESSING SERVICE MODE

- Disconnect all SCART cables **Pin 8** ➡ « **Low** » : OV
- Set connected, indicator on, input signal HF

Remote Control Access

- Select Standby.
- Turn off TV using **ON/OFF** button.
- **Wait for indicator to go out completely.**
- Press blue **TELETEXT** button on the remote control while turning on TV with the **ON/OFF** button.

Access SERVICE MODE.

TV Control Panel Access

- Turn off TV using **ON/OFF** button.
- Press the **PR-** and **VOL-** buttons while turning on the TV with the **ON/OFF** button.
- Hold down the **PR-** and the **VOL-** buttons .

Access SERVICE MODE
after $T \geq 8$ seconds.

TUBE	SETUP	VIDEO	GEOMETRY	PIP
V1.30-0	123456789	ABCDEF.....	OOOOOOOO	1234:56

Note :
In *SERVICE MODE*, the Lock function (PIN Number) is ignored and the child lock function is re-initialized.

2 TEMPORARY EXIT FROM SERVICE MODE

Remote Control Access

TV Control Panel Access

Use TV key

Use DISPLAY key

Re-enter **TELETEXT** key

Re-enter **INSTALLATION** key

3 EXIT FROM SERVICE MODE

Set TV into Standby or in OFF position using the **ON/OFF** button.

1 EINSTIEG IN DEN SERVICE MODE

- Alle Scartkabel abziehen **Pin 8** ➡ « **Low** » : **OV**
- Gerät eingeschaltet, Betriebsanzeige leuchtet, mit Signal am **HF-Eingang**.

Zugriff über die Fernbedienung

- Fernseher auf Stand-by schalten.
- Fernseher über die **EIN/AUS** - Taste ausschalten.
- Warten bis die Betriebsanzeige ganz aus ist.
- Gleichzeitig die blaue **VIDEOTEXT** -Taste der Fernbedienung drücken und den Fernseher über die **EIN/AUS** -Taste einschalten.

Übergang in den SERVICE MODE

Zugriff über die Tastatur des Fernsehers

- Fernseher über die **EIN/AUS** - Taste ausschalten.
- Gleichzeitig die Tasten **PR** - und **VOL** - drücken und den TV über die **EIN/AUS**-Taste einschalten.
- Die Tasten **PR** - und **VOL** - gedrückt halten.

Übergang in den SERVICE MODE
nach $T \geq 8 \text{ s.}$

TUBE	SETUP	VIDEO	GEOMETRY	PIP
V1.30-0	123456789	ABCDEF.....	OOOOOOOO	1234:56

Anmerkung :
Im SERVICE MODE wird die Sperrfunktion (PIN-Nummer) ignoriert und die Kindersicherung gelöscht (reinitialisiert).

2 VORÜBERGEHENDES VERLASSEN DES SERVICE MODE

Zugriff über die Fernbedienung

Zugriff über die Tastatur des Fernsehers

TV Taste drücken

DISPLAY Taste drücken

VIDEOTEXT Taste drücken

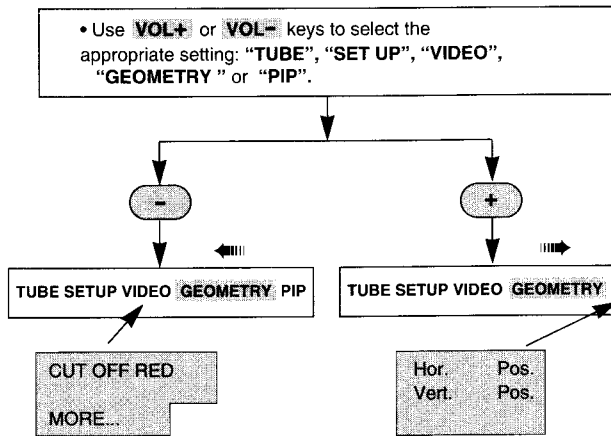
Taste **INSTALLATION** drücken

3 ENDGÜLTIGES VERLASSEN DES SERVICE MODE

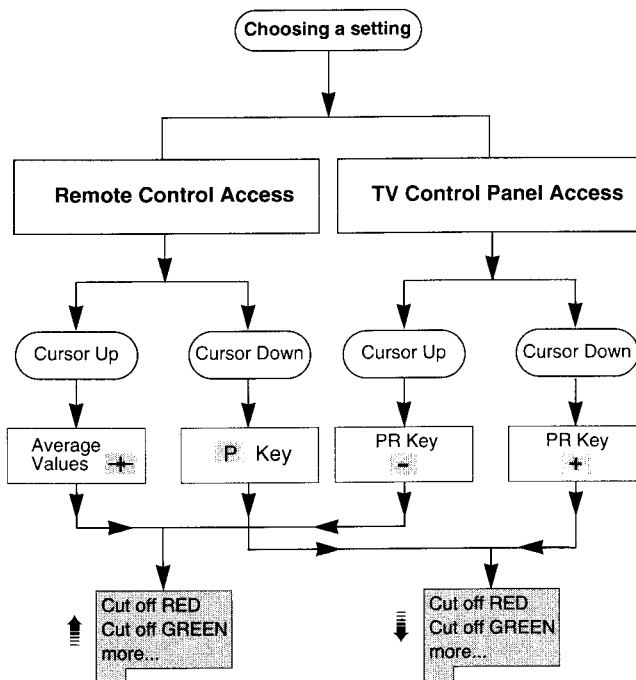
Fernseher auf STAND-BY schalten oder mit der EIN/AUS-Taste ausschalten

II - NAVIGATION INSIDE THE SERVICE MODE - SUCHE IM SERVICE MODE

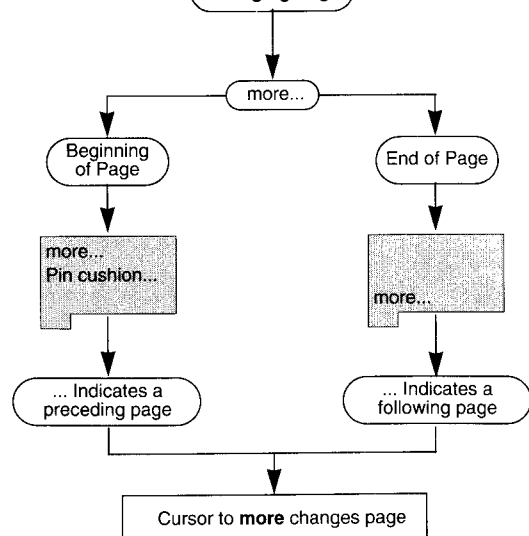
1 SELECTING A SETTING MENU



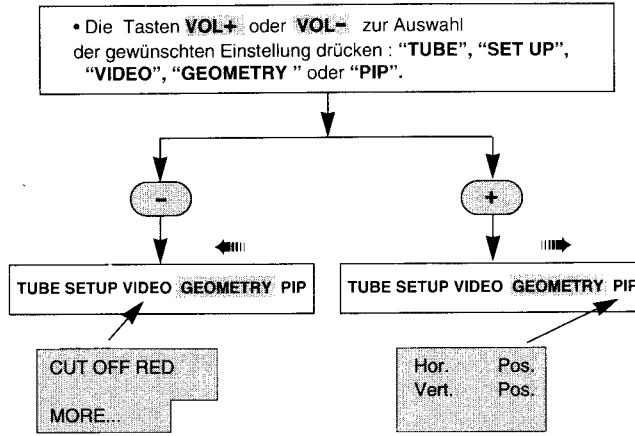
2 CHOOSING A SETTING FROM THE MENU



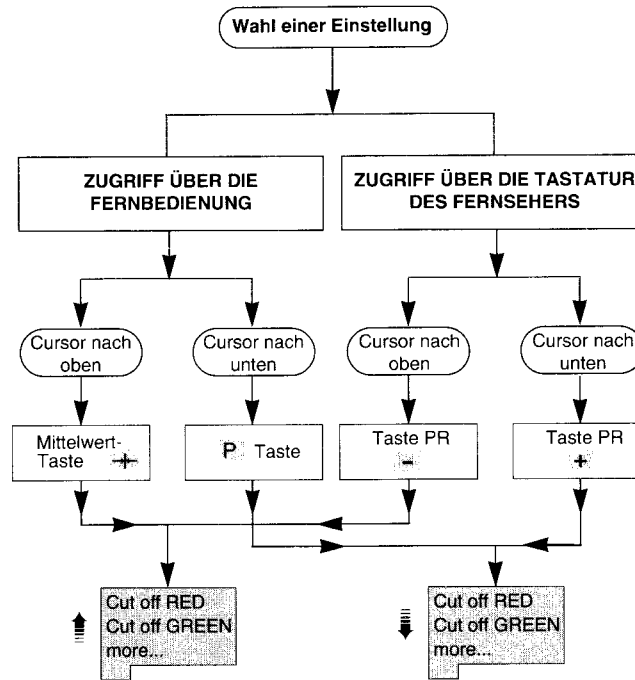
Changing Page



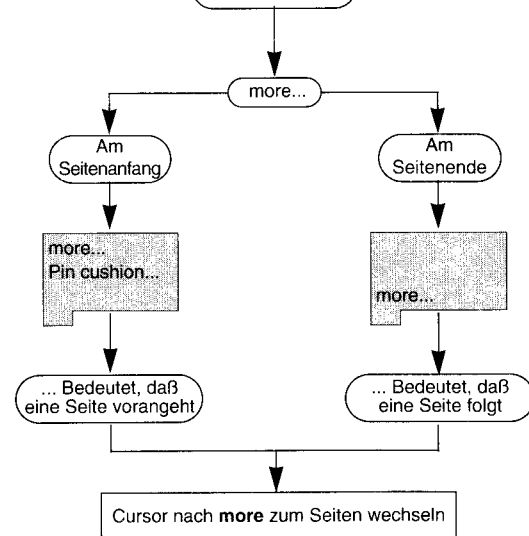
1 AUSWAHL EINES FUNKTIONSWAHL/MENÜS



2 WAHL EINER EINSTELLUNG IN EINEM MENÜ



Seitenwechsel

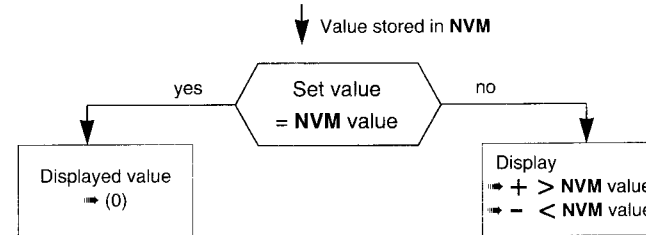


II - NAVIGATION INSIDE THE SERVICE MODE - FUNKTIONSWAHL IM SERVICE MODE

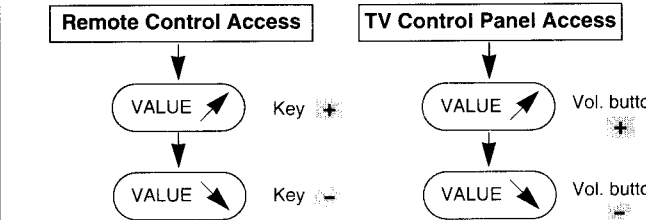
1 DISPLAYING THE VALUE OF THE SETTING

2 values are displayed

Example: **V - AMP (0) 1F** ← Hexadecimal value



2 SETTING A VALUE



3 WRITING - STORING VALUES IN MEMORY

After setting, the values are stored in NVM. The display (see previous chapter) (0) or (+) or (-), refers to the value. During alignment, values are temporarily stored in RAM.

Store → Copies RAM → Equal values are value into NVM indicated by (0).

Note: It is not possible to recall values stored in NVM before setting.

Restore → copies all values from NVM into RAM. The value stored in NVM is recalled and can therefore be accessed if modified during the setting operation.

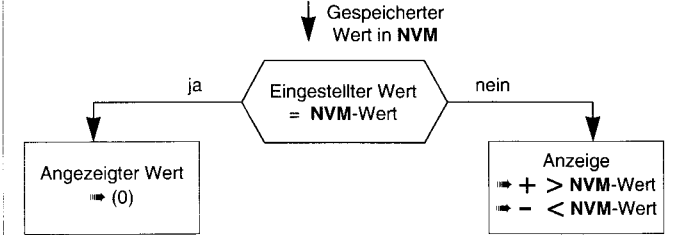
ROM Default → All the default values of a page in use are stored in RAM.

Note: It is possible to recall default values in order to carry out a test and later restore (RESTORE) NVM data. As long as STORE button is not pressed the data in NVM remains unchanged.

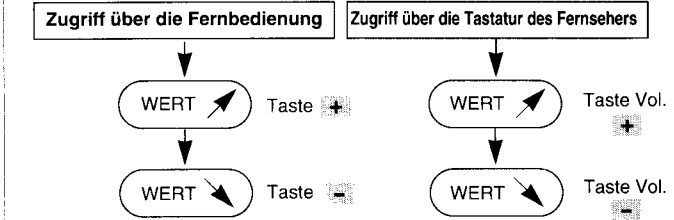
1 ANZEIGE DES EINSTELLUNGSWERTS

Zwei Werte werden angezeigt.

Beispiel: **V - AMP (0) 1F** ← Einstellungswert hexadezimal



2 EINSTELLUNG EINES WERTS



3 SCHREIBEN - SPEICHERN DER WERTE

Nach dem Einstellen werden die Werte in NVM gespeichert. Die Anzeige (siehe voriges Kapitel) (0) oder (+) bzw. (-) bezieht sich auf den Wert. Während des Abgleichs werden die Werte vorübergehend im RAM gespeichert.

Store → Kopieren des Werts → Identische Werte werden von RAM nach NVM. durch (0) angezeigt.

Anmerkung: Der vorher im NVM gespeicherte Wert wird überschrieben und kann nicht wieder aufgerufen werden.

Restore → kopiert alle NVM-Datenwerte in den RAM. Der in NVM gespeicherte Wert wird aufgerufen und kann so wiedergefunden werden, wenn er beim Einstellen verändert wurde.

ROM Default → Sämtliche Standardwerte der aktuellen Seite werden im RAM geladen.

Anmerkung: Es ist möglich, die Standardwerte aufzurufen, um einen Test durchzuführen und später die NVM-Daten wieder herzustellen (über RESTORE). Solange STORE nicht ausgeführt ist, werden die NVM-Daten nicht verändert.

III - SOFTWARE CODE AND TV CONFIGURATION - SOFTWARE EINSTELLUNG UND GERÄTEKONFIGURATION

1 SERVICE MODE MENUS/TIME COUNTER

TUBE	SETUP	VIDEO	GEOMETRY	PIP
V1.30-0	123456789ABCDEF.....000000	DCSP	1234:56	

Software version Serial number Receiver composition

The table below shows the relation between the characters used and the receiver composition.

D : Dolby Fitted
C : Contrast sensor detected
S : Sat. Fitted
P : PIP Fitted

1 SERVICE MODE MENÜS/ZÄHLER

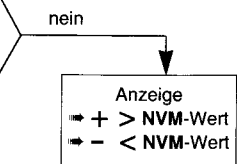
TUBE	SETUP	VIDEO	GEOMETRY	PIP
V1.30-0	123456789ABCDEF.....000000	DCSP	1234:56	

Software version Serien-Nr. Aufbau des Empfängers

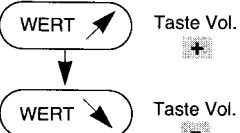
In untenstehender Tabelle ist die Beziehung zwischen den verwendeten Zeichen und dem Aufbau des Empfängers dargestellt.

D : Dolby montiert
C : Kontrastsensor gefunden
S : Sat. montiert
P : PIP montiert

Einstellungswert
hexadezimal



die Tastatur des Fernsehers



M gespeichert.

(-) bezieht sich auf den Wert,
gehend im RAM gespeichert.

identische Werte werden
durch (0) angezeigt.

rschrieben und kann nicht

n NVM gespeicherte
wird aufgerufen und
so wiedergefunden
en, wenn er beim
ellen verändert wurde.

Standardwerte der aktuellen
im RAM geladen.

n einen Test durchzuführen
(über RESTORE). Solange
n nicht verändert.

CONFIGURATION

GEOMETRY PIP
00.DCSP 1234.56

bau des
ofängers

hen den verwendeten
teilt.

IV - ALIGNMENT PROCEDURE - ABGLEICH

TUBE SETUP VIDEO GEOMETRY PIP

Tube type 0
Default tube type (+)

The "TUBE" menu is used to reduce TV alignment for a specific tube fitted to the chassis to a minimum, TV alignment is necessary if NVM is replaced or becomes "corrupted".

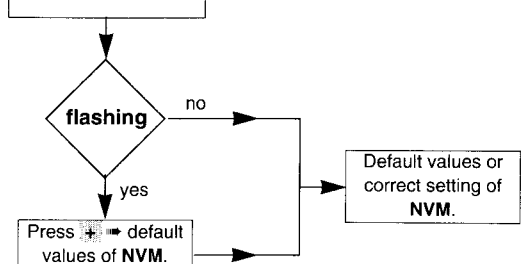
It performs a pre-setting by changing the default values of the NVM.

The ICC11 chassis takes 16 different tube types

Tube Type	0	1	2	3	4	5	15
	29" SF	32" MP	25" SF	28" MP	28" SF	32" SF	Future possibilities
	4/3	16/9	4/3	4/3	16/9	16/9	

- 1) - Select a tube type for the chassis.
- 2) - Enter **Default Tube Type (+)**.

Default tube type (+)



Note :

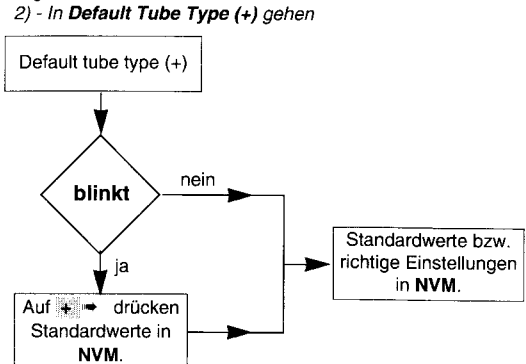
Calling default tube type overwrites the NVM and it is not possible to restore the old content !

Das Menü "TUBE" ermöglicht bei einer speziellen Röhre, mit der das Fernsehgerät ausgerüstet ist, im Falle des Austauschs oder einer "Fehleinstellung" des NVM das Abgleichen des Fernsehers auf ein Minimum zu reduzieren. Es führt eine Voreinstellung durch, indem die Standardwerte im NVM geändert werden.

Das ICC11 Chassis unterstützt 16 verschiedene Röhrentypen

Tube Type	0	1	2	3	4	5	15
	29"	32"	25"	28" MP	28" SF	32" SF	Demnächst verfügbar
	4/3	16/9	4/3	4/3	16/9	16/9	

- 1) - Den Röhrentyp wählen, mit dem der Fernseher ausgerüstet ist
- 2) - In **Default Tube Type (+)** gehen



Hinweis :

Wenn " default tube type" aufgerufen wird, wird NVM überschrieben und es ist nicht möglich, den alten Zustand wieder herzustellen.

First Page

Telef. Combi	DISABLED	ENABLED
Lock feature	DISABLED	ENABLED
NICAM from Canal + Decoder	NO	YES
Clear Programme (+) Long Press !		
Text Enable	NONE	FLOF TOP BOTH
Text Language	1	
More ...		

Second Page

More ...		
Secam Text Line 16	ENABLED	DISABLED
AV3	YES	NO
AV2-RGB Module	YES	NO
WSS Processing	NO	YES
Store	(+)	
Restore	(+)	
Rom Default	(+)	

- **Telef. Combi** Enable THOMSON remote control code only for TFK sets.
- **Lock Feature**
 - DISABLED : "Lock" option inactive.
 - ENABLED : "Lock" option active in P menu.
- **Clear Programme (+) Long Press !** : Clear all programmes stored in memory.
- **NICAM from Canal + Decoder**
 - No : Disable } The special sound path handling for Yes : Enable canal + on program location PRO 4.
- **Text Enable**
 - Enables the teletext system:
 - NONE → Normal text.
 - FLOF → Normal text and Fastext (English, Spanish).
 - TOP → Normal text and German teletext (TOP system).
 - BOTH → Normal text and FLOF and TOP systems enables.
- **Text Language 1 (2,3,4 or 5).**
 - Enables teletext to recognise and display relative characters from the following countries: (see opposite table)
- **Secam Text Line 16**
 - DISABLED : -
 - ENABLED : disturbance suppressed in Videotext
- **AV3**
 - Yes : Available
 - No : Not available.
- **AV2-RGB Module**
 - Yes : Available
 - No : Not available
- **WSS Processing**
 - No : Format is disabled (Only for 16/9)
 - Yes : Format is enabled.

- **Telef. Combi** Kombifernbedienung für TELEFUNKEN TV zulassen
- **Lock Feature**
 - DISABLED : Option "Sperrern" nicht zugelassen im P menü.
 - ENABLED : Option "Sperrern" zugelassen.
- **Clear Programme (+) Long Press !** : Löschen aller gespeicherten Programme.
- **NICAM from Canal + Decoder**
 - No : Disable } NICAM - Ton von einem Decoder Yes : Enable } zulassen (PR 04)
- **Text Enable**
 - VT System zugelassen :
 - NONE → Normal VT.
 - FLOF → Normal VT und Fastext z.B. Spanien.
 - TOP → Normal VT und deutscher TOP-VT..
 - BOTH → Normal VT FLOF und TOP-VT zugelassen.
- **Text Language 1 (2,3,4 oder 5).**
 - Ermöglicht dem VT die für die folgenden Länder entsprechenden Zeichen zu erkennen und anzuzeigen.
- **Secam Text Line 16**
 - DISABLED : -
 - ENABLED : Störungen werden im VT unterdrückt.
- **AV3**
 - Yes : Vorhanden.
 - No : Nicht vorhanden.
- **AV2-RGB Module**
 - Yes : Vorhanden.
 - No : Nicht vorhanden.
- **WSS Processing**
 - Feature für SAT vorhanden : Nur TV.
 - No : Format nicht zugelassen. (Nur 16/9)
 - Yes : Format zugelassen.

• After setting • Store (+) • Nach dem Einstellen • Store (+)

Seite 1

		SECAM	PAL
Cutoff Red	(0) 1F	14	16
Cutoff Green	(0) 1F	14	16
Drive Red	(0) 1F	2A	24
Drive Green	(0) 1F	2A	24
Drive Blue	(0) 1F	20	18
Peak White	1F 1F 1F	2A 2A 20	24 24 18

more...

Seite 2

Scale Brightn.	(0) 1F	20	20
Scale Contrast	(0) 1F	3A	3A
Scale Colour	(0) 1F	21	21
Text Contrast	(0) 1F	20	20
Store	(+)		
Restore	(+)		
Rom Default	(+)		

Page 1 video settings

Perform the G2 and the Focus settings beforehand.

Video-Einstellungen von Seite 1

Stellen Sie zuvor G2 und «Focus» ein.

Cutoff Red	☉ + ☼ + ☽ = 50%	Grey - Grau
Cutoff Green	☉ + ☼ + ☽ = 50%	White 100% Grauwerte - Testbild Weiß 100%
Drive Red	☉ + ☼ + ☽ = 50%	White 100%
Drive Green	☉ + ☼ + ☽ = 50%	White 100%
Drive Blue	☉ + ☼ + ☽ = 50%	White 100%
Peak White	☉ = 100% ☼ + ☽ = 50%	Grey scale test pattern White 100% Grauwerte - Testbild Weiß 100% CRT coll. TV12 V = 100 Vpp

Page 2 video settings

Note :

Sets with ambient light detectors: the ambient light detector should be OFF in the Green menu (image).

Video-Einstellungen der Seite 2

Hinweis:

Mit Raumlichtdetektor ausgestattete Geräte. Der Raumlichtdetektor muss gesperrt sein: OFF im grünen Menü (Bild).

Scale Brightness	☉ = 100% ☼ + ☽ = 50%	Black Schwarz
Scale Colour PAL	☉ + ☼ + ☽ = 50%	SECAM PAL colour bar test pattern (75%) (then SECAM) Farbbalken in PAL (75%) (dann SECAM)
Scale Colour SECAM	☉ + ☼ + ☽ = 50%	SECAM PAL colour bar test pattern (75%) (then SECAM) Farbbalken in PAL (75%) (dann SECAM)
Text Contrast	☉ + ☼ + ☽ = 50%	Black test pattern White 100% Schwarz - Testbild Weiß 100% Digital mastering : «OFF» (menu)
Scale Contast	Factory setting. Fixed PAL and SECAM values Werkseitige Einstellungswerte in PAL und SECAM festgelegt	Setting value 3 A. Einstellungswert 3 A.

• After setting • Store (+) • Nach dem Einstellen • Store (+)

		29"	32"
Vert. Pos	(0) 1F	03	03
Vert. Ampl.	(0) 1F	10	10
Vert. S-Corr.	(0) 1F	20	10
Hor. Pos.	(0) 1F	24	20
Hor. Ampl.	(0) 1F	33	2F
Hor. Delay	(0) 1F	20	20

more...

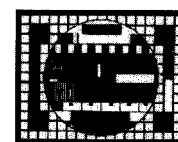
Pincush. Corr.	(0) 1F	1B	0A
Pincush. Corner	(0) 1F	25	00
Trapezium	(0) 1F	03	03
EHT-Level Start	(+)		
Store	(+)		
Restore	(+)		
Rom Default	(+)		

Test Bar pattern used: 4/3 with geometric circle. Setting is done in 4/3 format and then checked in the format for the chassis tube.

Testbild: 4/3 mit Geometrie-Kreis. Der Abgleich erfolgt im Format 4/3 und wird im verwendeten Röhrenformat überprüft.

Vert. Pos.	☉ + ☼ + ☽ = 50%	Colour bar test pattern
Vert. Amp.	☉ + ☼ + ☽ = 50%	Colour bar test pattern
Vert. S Corr.	☉ + ☼ + ☽ = 50%	Colour bar test pattern
Hor. Pos.	☉ + ☼ + ☽ = 50%	Colour bar test pattern
Hor. Amp.	☉ + ☼ + ☽ = 50%	Colour bar test pattern

TUBE 4/3



Display mode : 4/3

overscan : V = 107% - H = 107%

overscan : V = 107% - H = 77%

Other display modes are automatically calculated.

Die anderen Anzeigemodi werden automatisch berechnet.

Hor. Delay	☉ + ☼ + ☽ = 50%	Use ☉ and ☼ to adapt the image oder ☉ drücken, um bildphase einzustellen
Pincush. Corr.	☉ + ☼ + ☽ = 50%	Colour bar test pattern
Pincush. Corner	☉ + ☼ + ☽ = 50%	Colour bar test pattern
Trapezium	☉ + ☼ + ☽ = 50%	Colour bar test pattern

EHT - Level Start

The EHT protection circuit stops the TV if the EHT tension exceeds the specified limit. The difference between the SWITCH OFF point and the nominal value is constant.

Setting : PAL colour bar test patterns. Select EHT - Level Start and press The setting is optimised by the software.

EHT - Level Start

Die Hochspannungs-Schutzschaltung schaltet den Fernseher aus, sobald die Spannung den vorgeschriebenen Grenzwert übersteigt Die Differenz zwischen dem Abschaltpunkt «Switch off point» und dem Nennwert ist konstant.

Einstellung : Farbbalken PAL. EHT - Level wählen und auf + drücken. Die Einstellung wird durch die Software optimiert.

• After setting • Store (+) • Nach dem Einstellen • Store (+)

Hor. Pos.	(0) 1F
Vert. Pos.	(0) 1F
Contrast	(0) 1F
Compare Main MAIN. PIP	
More ...	

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Hor. Pos.	☉ + ☼ + ☽ = 50%	Colour bar test pattern
Vert. Pos.	☉ + ☼ + ☽ = 50%	Colour bar test pattern

(*) Center PIP image in the frame

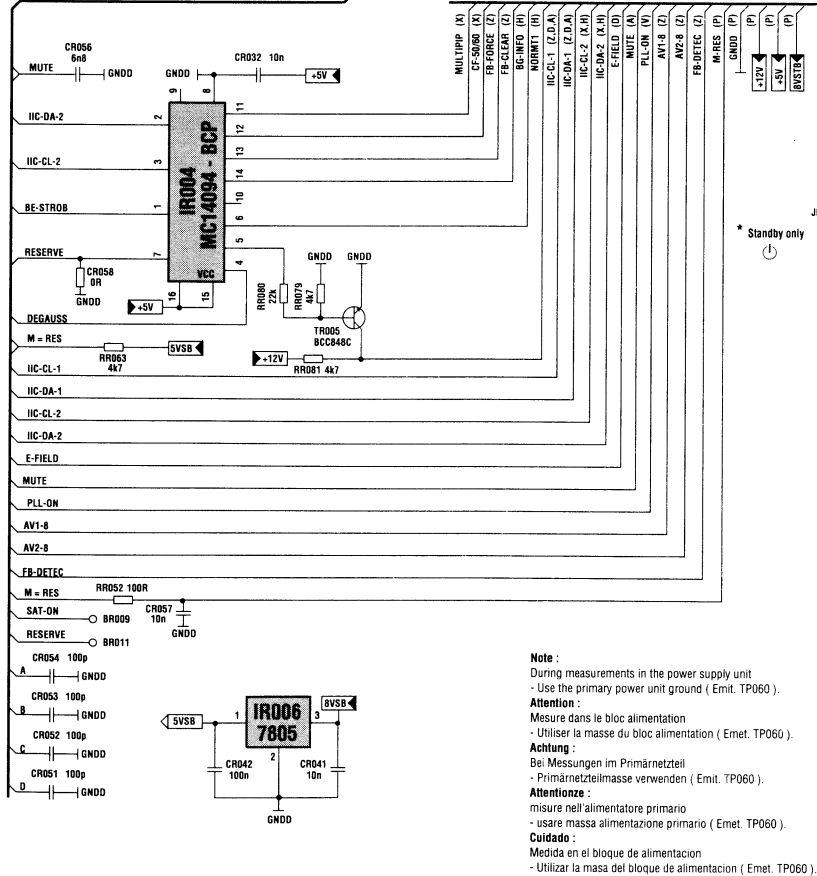
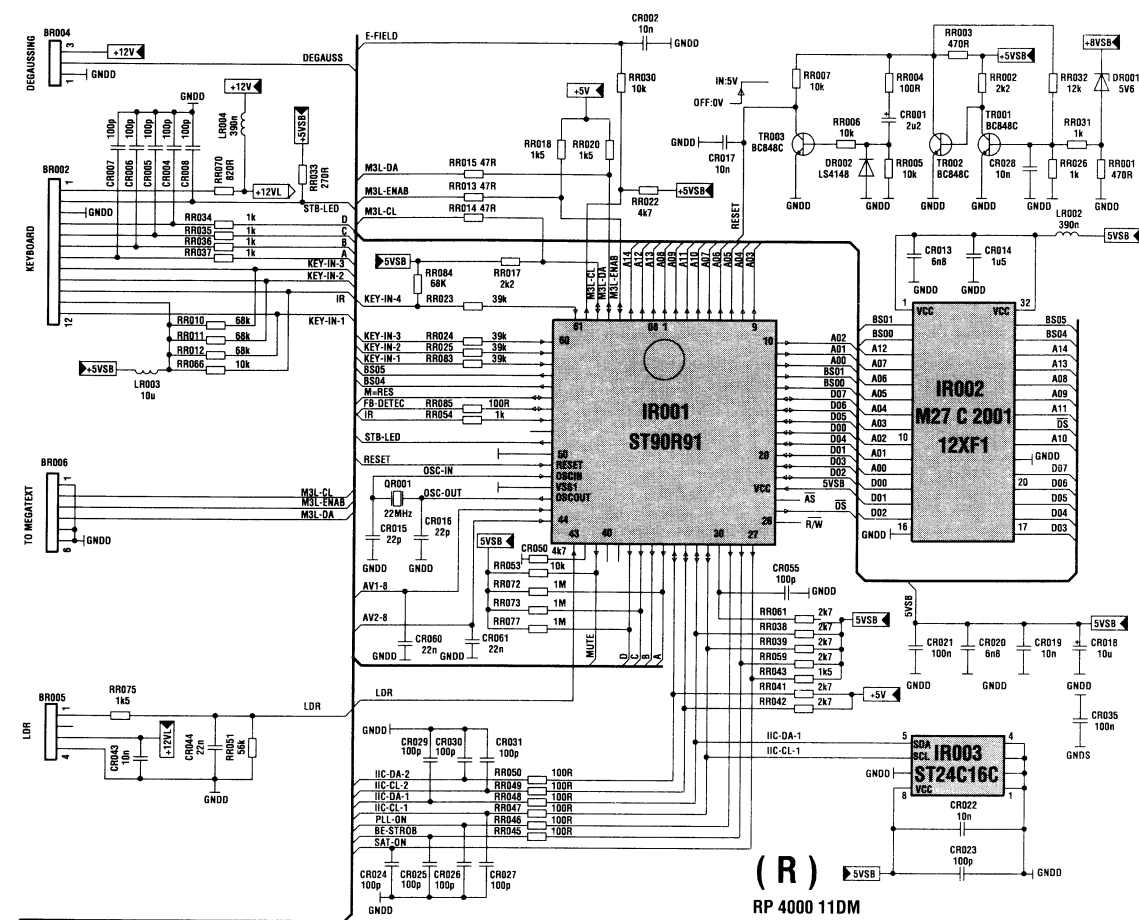
(*) PIP -bild im fenster testbilds

Contrast	☉ + ☼ + ☽ = 50%	Video pattern on AV1 (W = 100%)
		Y PIP picture = Y main picture Y PIP - bild = Y Hauptbild

• After setting • Store (+) • Nach dem Einstellen • Store (+)

Broadcaster country code	1	2	3	4	5
000	English	Polish	English (US)	English	
001	French	French	French	French	Slovakian
010	Swedish	Swedish	Swedish	Swedish	Hungarian
011	Czech	Czech	Czech	Turkish	Serbian
	Slovak	Slovak	Slovak	Croatian	Slovenian
100	German	German	German	German	Albanian
101	Spanish		Spanish	Spanish	
	Portuguese		Portuguese	Portuguese	
110	Italian	Italian	Italian	Italian	
111					Rumanian

MAIN SCHEMATIC DIAGRAM - SCHEMA PLATINE PRINCIPALE - SCHALTUNG LEITERPLATTE KPL. - SCHEMA PIASTRA PRINCIPALE - ESQUEMA PLATINA PRINCIPAL



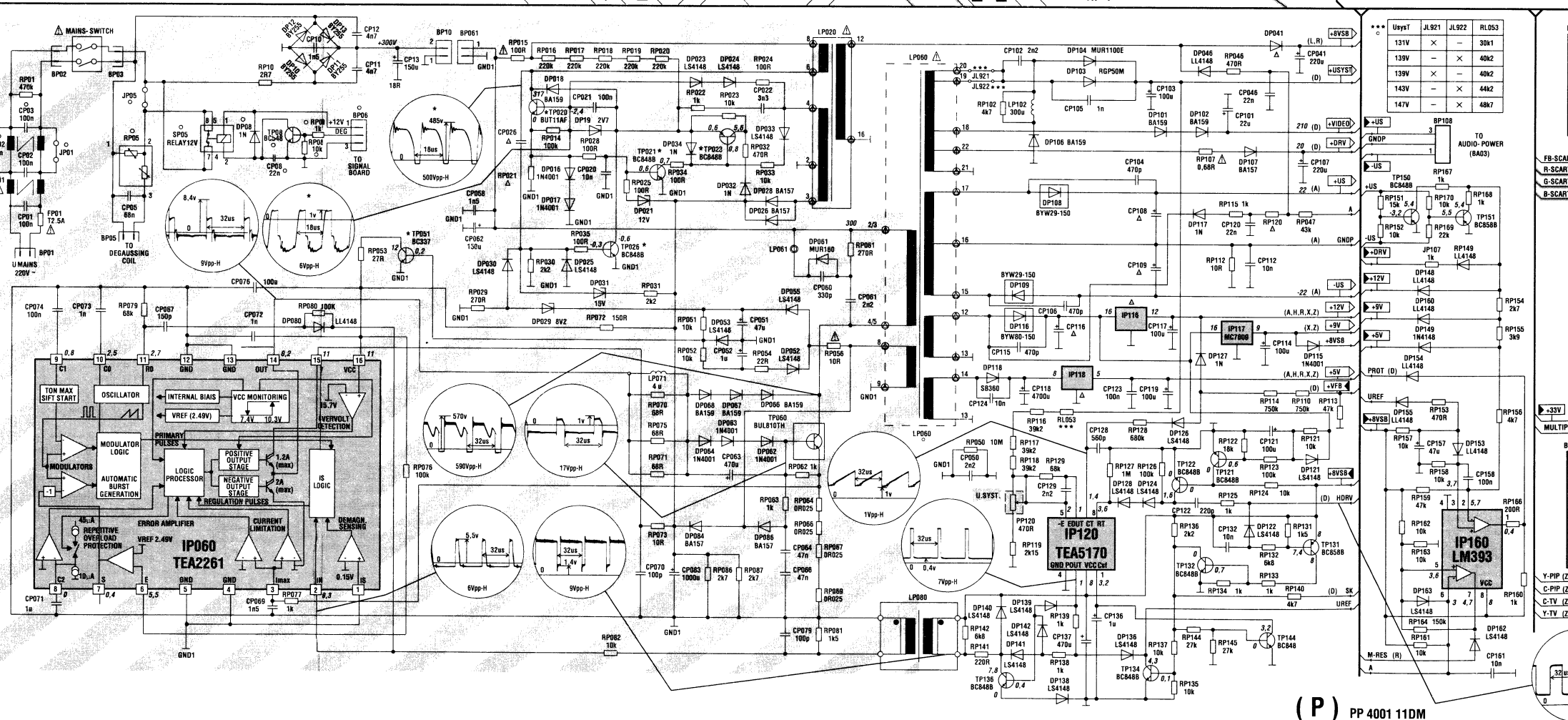
Note :
During measurements in the power supply unit
- Use the primary power unit ground (Emet. TP060).

Attention :
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation (Emet. TP060).

Achtung :
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden (Emet. TP060).


Attenzione :
misure nell'alimentatore primario
- usare massa alimentazione primario (Emet. TP060).


Cuidado :
Medida en el bloque de alimentación
- Utilizar la masa del bloque de alimentación (Emet. TP060).




■	BH001	BH002	JH901	JH902	JH903	JH905	JH906	JH907	JH908	JH915	JH916	JH928	CH014	RH009	RH033
HP 4001 00	MTP4015F	IF3343B6			X					X			120p	430R	-
HP 4003 00	MTP4015F	IF2349			X					X			120p	430R	680R
HP 4001 11	MTP4015F	IF3342			X					X			330p	180R	-
HP 4003 11	MTP4015F	IF2343LV3			X					X			120p	430R	-


Legend :
CVBS : Name of signal
(P) : Origin or destination

 Indica componenti critici per la sicurezza, e componenti identici che possono essere sostituiti con componenti identici.

Le remplacement des éléments de sécurité (repérés avec le symbole ) des composants non homologués selon la Norme CEI 65 entraîne la non-conformité de l'appareil.

Dans ce cas, la responsabilité du fabricant n'est plus engagée.

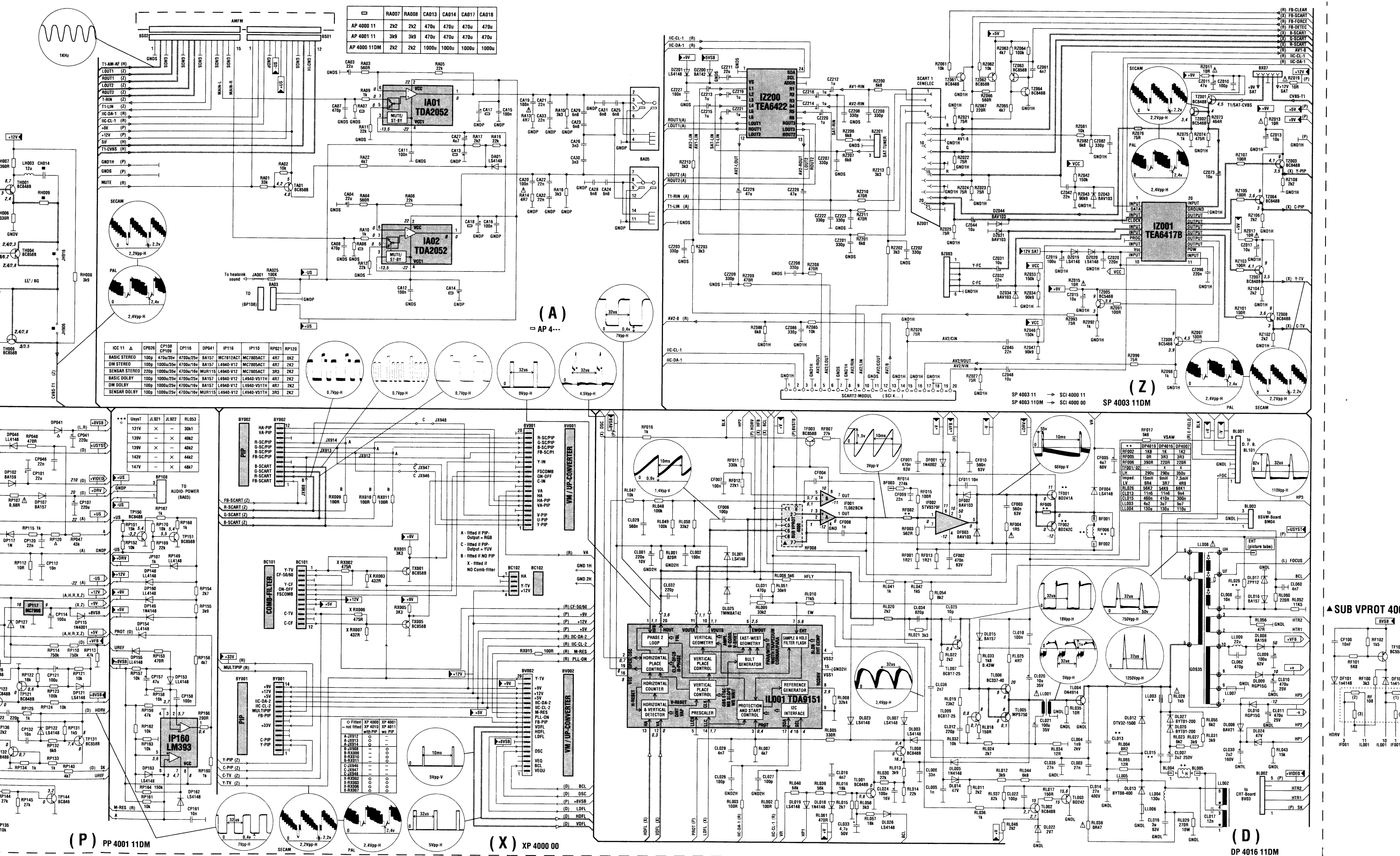
Wenn die sicherheitskritischen (mit dem Symbol ) Bauteile durch nicht normgerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

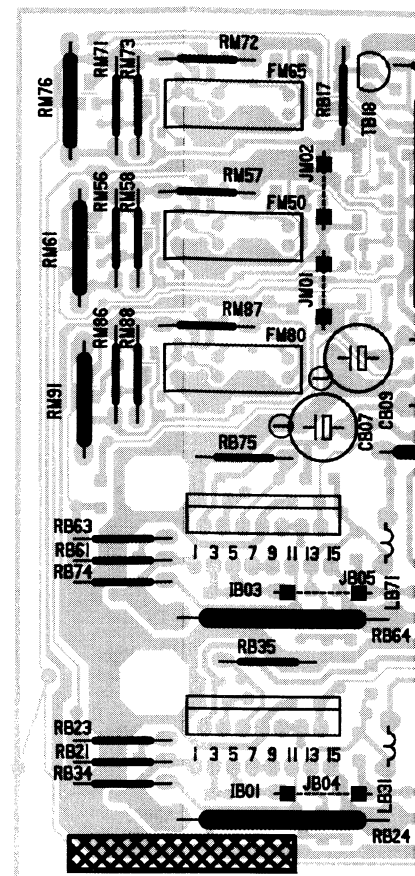
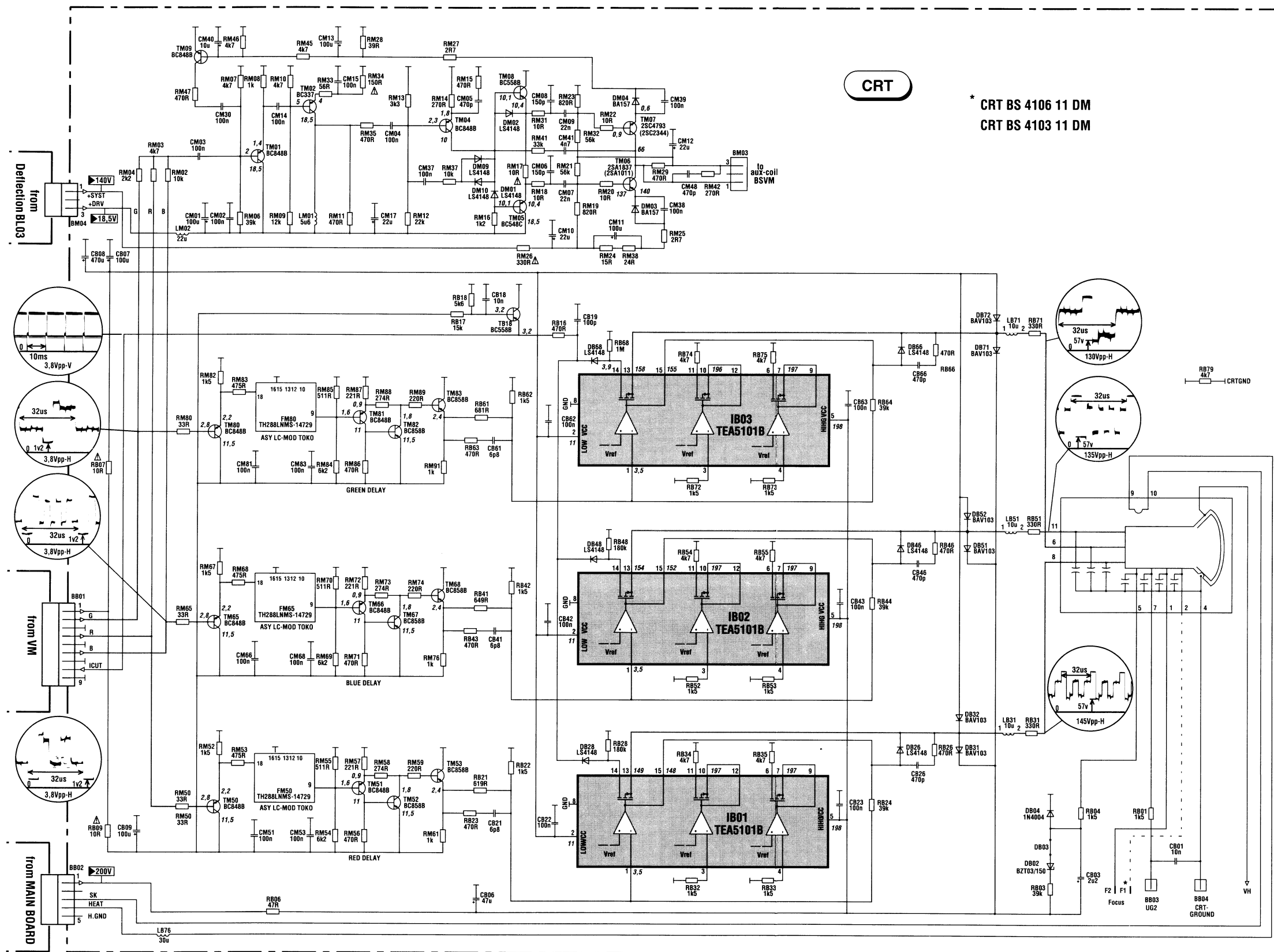
La sostituzione degli elementi di sicurezza (marcati con il simbolo ) con componenti non omologati secondo la norma CEI 65 comporta la non conformità dell'apparecchio.

In tal caso è esclusa la responsabilità del costruttore.

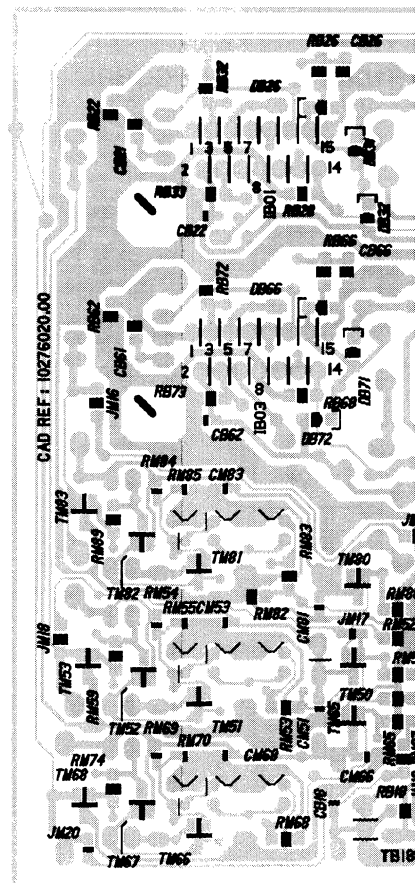
	BP06	CP03	CP08	DP06	JP01 JP02	JP05	LP02	RP05	RP08	RP09	SP05	TP
MIS 4001 00	-	-	-	-	X	X	-	25R	-	-	-	-
MIS 4002 00	X	-	X	X	X	-	-	18R	X	X	X	X
MIS 4901 00	-	X	-	-	-	X	X	25R	-	-	-	-
MIS 4902 00	X	X	X	X	-	-	X	18R	X	X	X	X

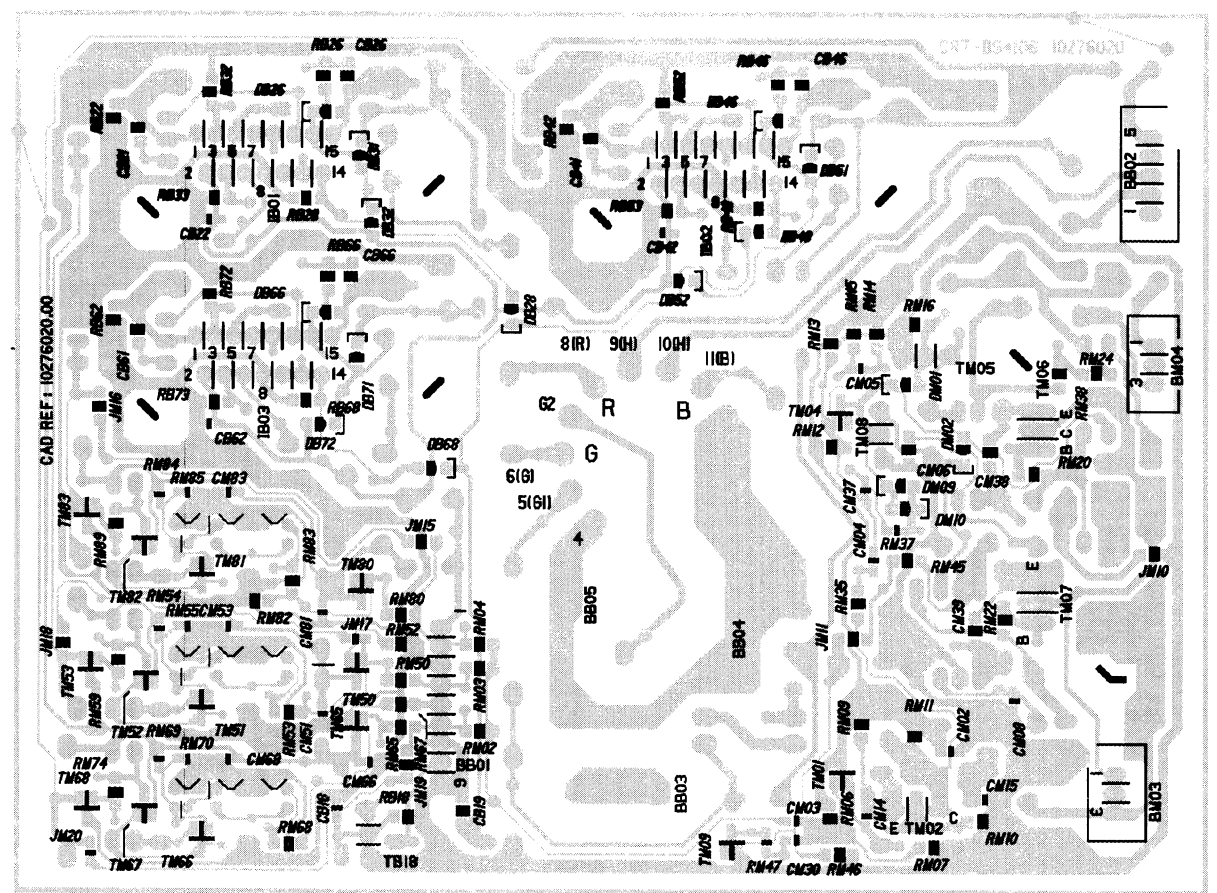
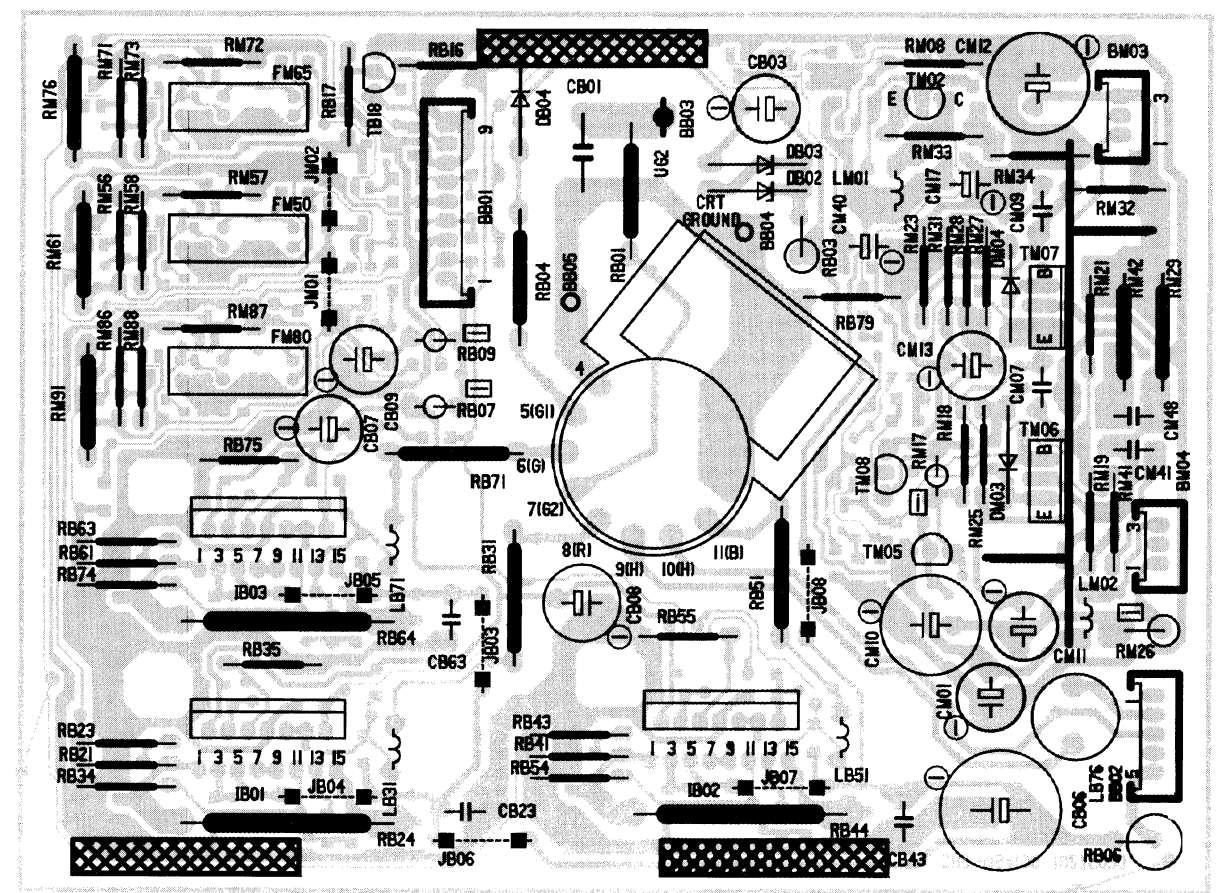
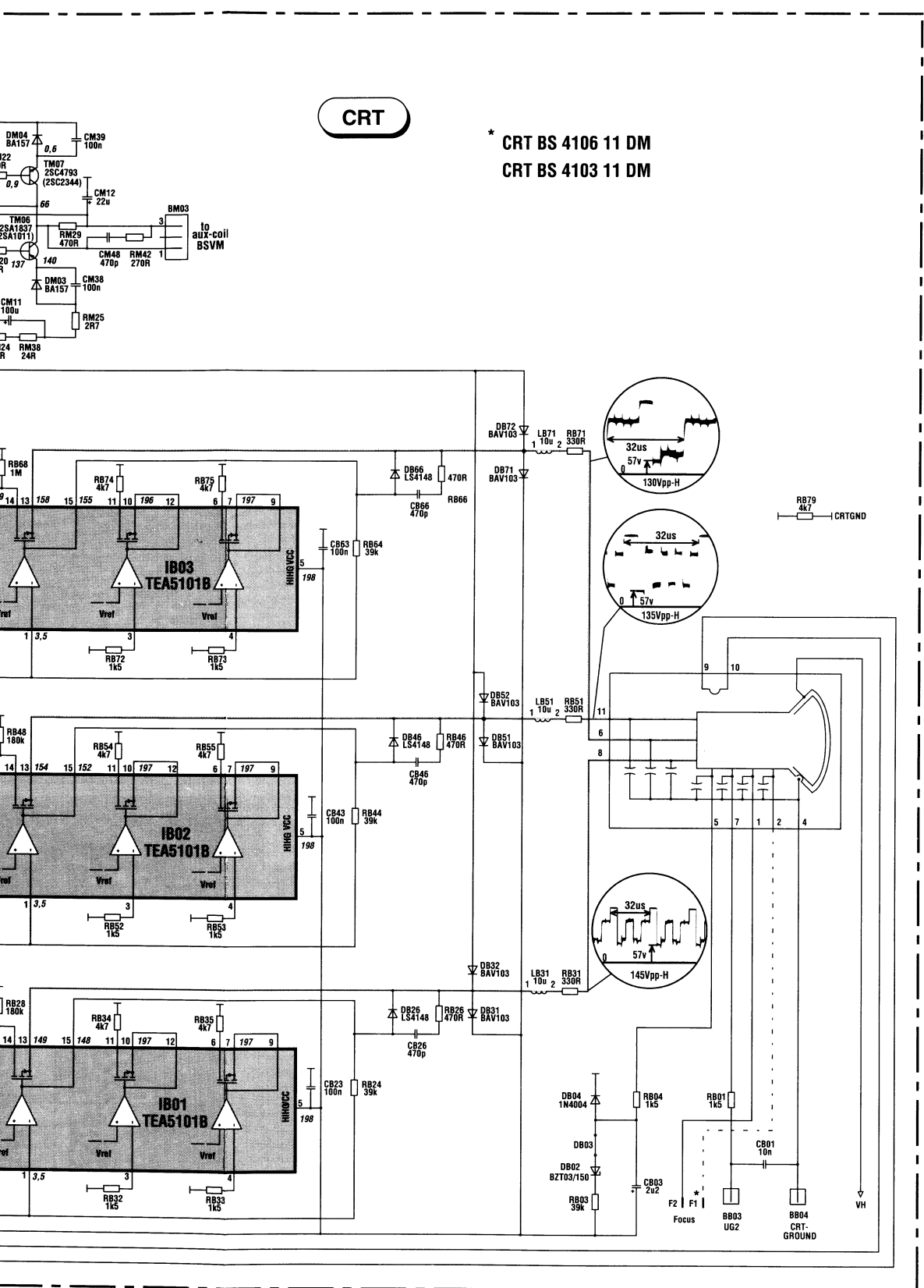
QUEMA PLATINA PRINCIPAL



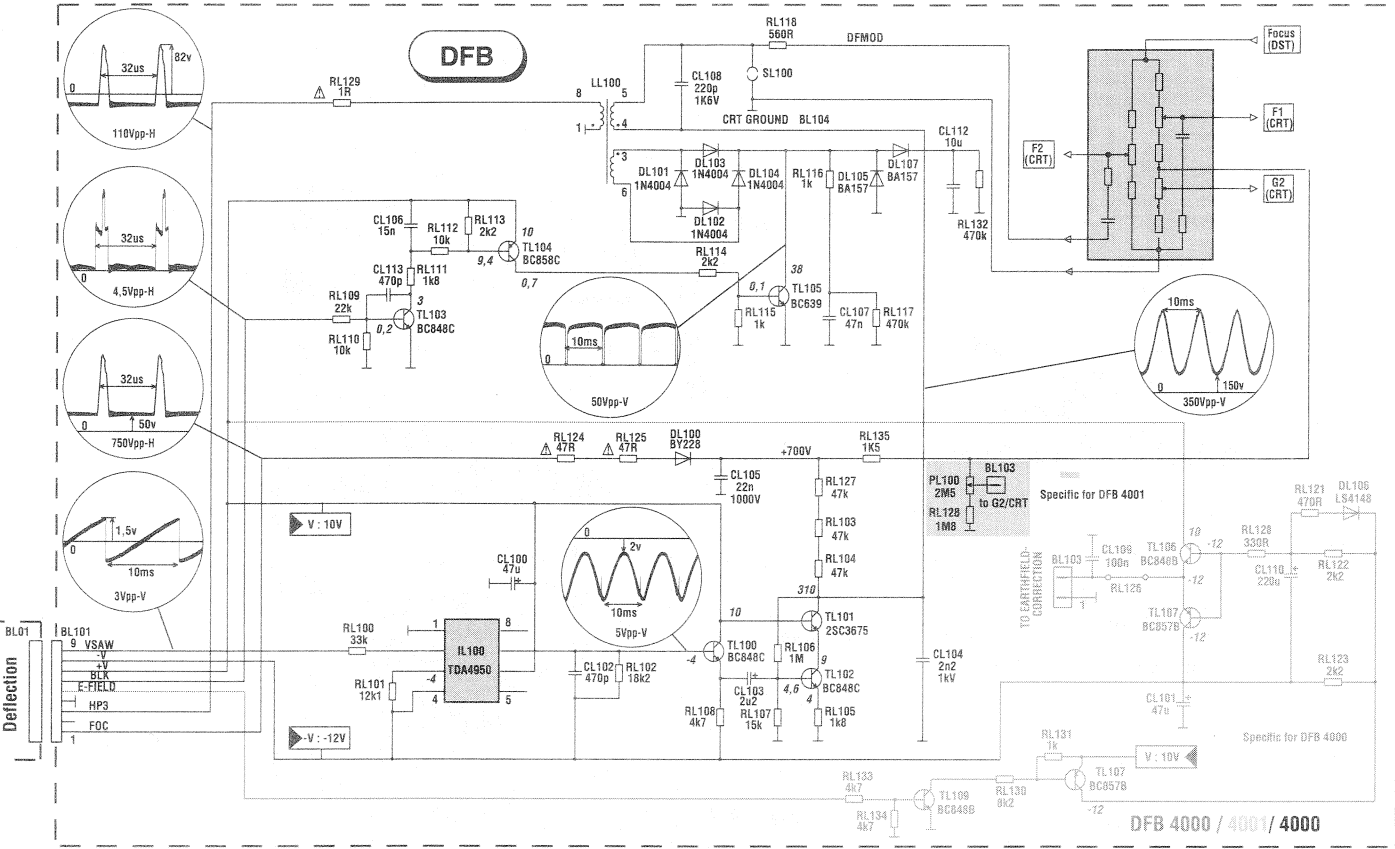


SOLDER SIDE - COTE CU





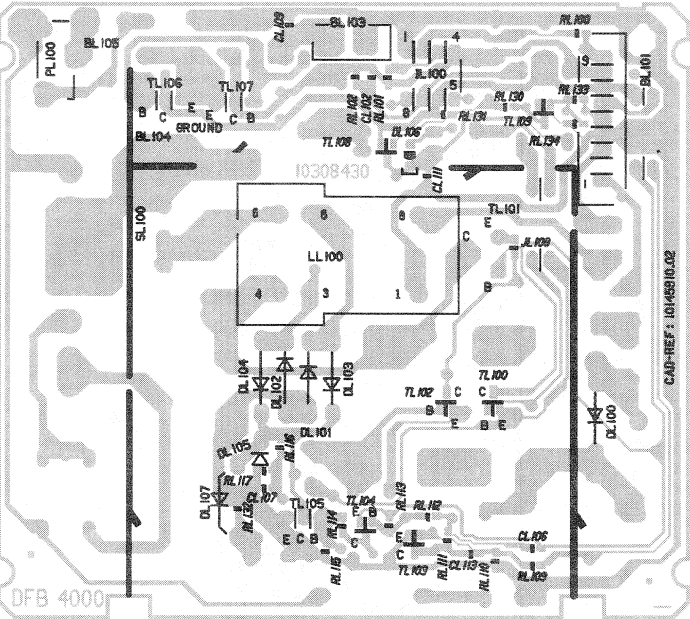
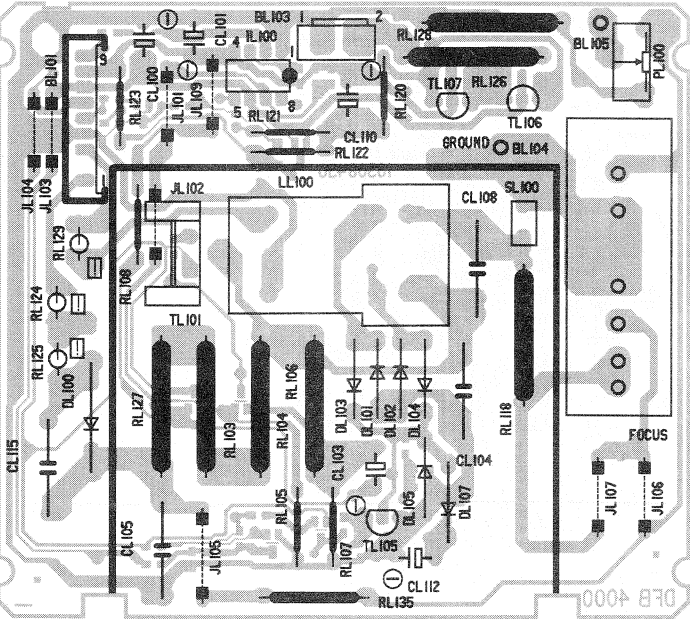
DYNAMIC FOCUS MODULE - MODULE FOCUS DYNAMIQUE- DYNAMIKFOKUS BAUSTEIN
MODULO FUOCO DINAMICO - MODULO FOCUS DINAMICO



DFB 4000 - 02

COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES

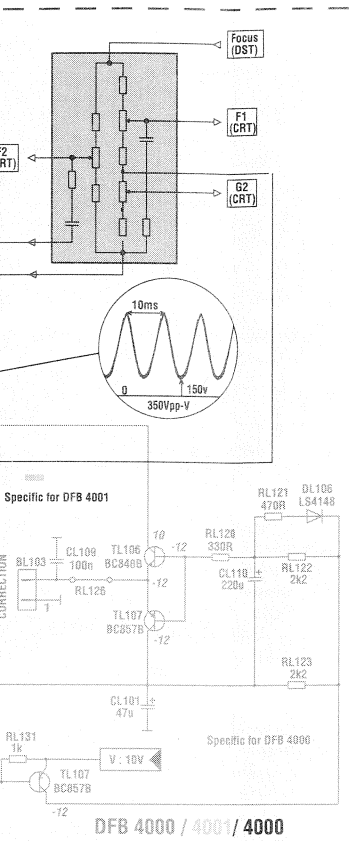
SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE



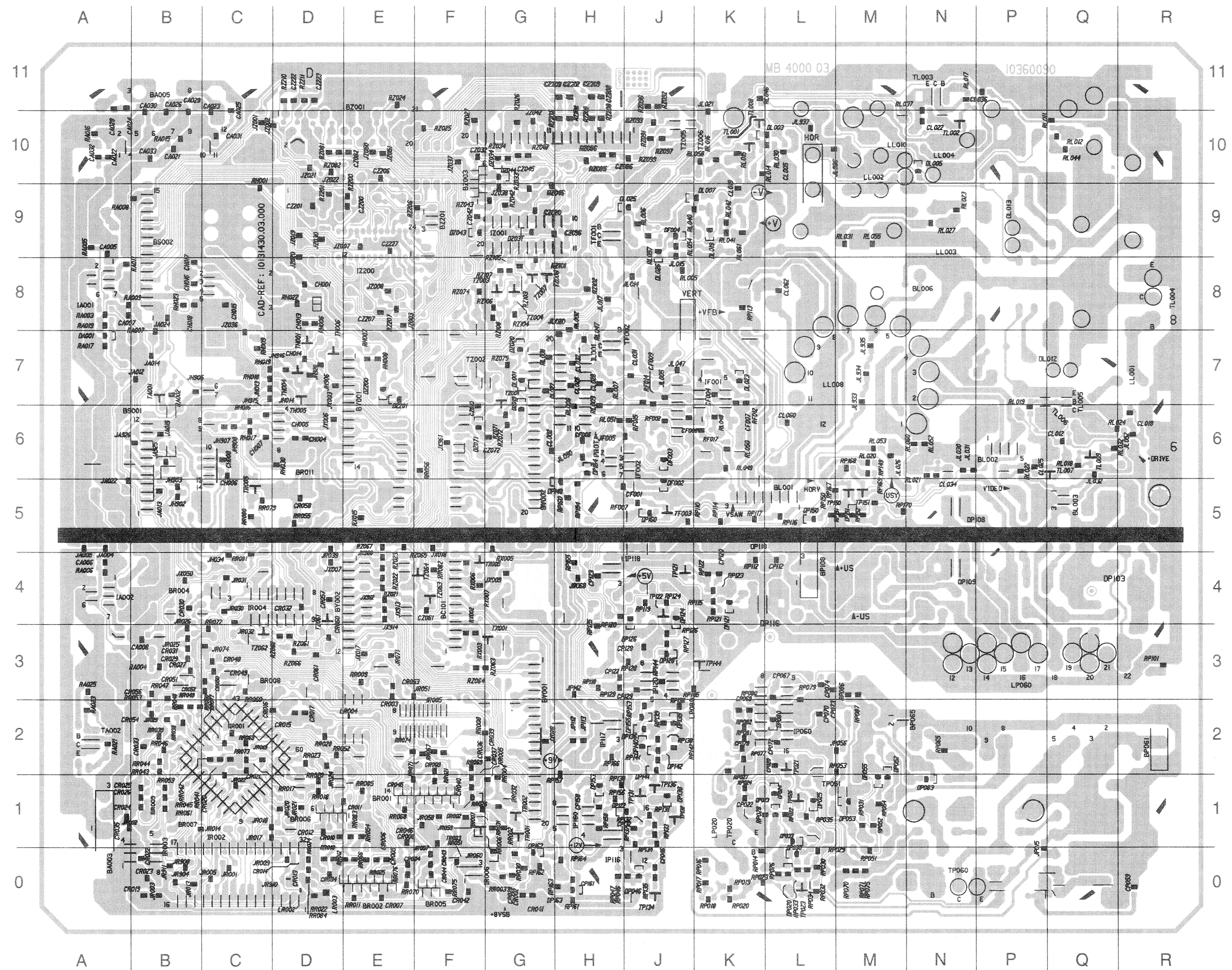
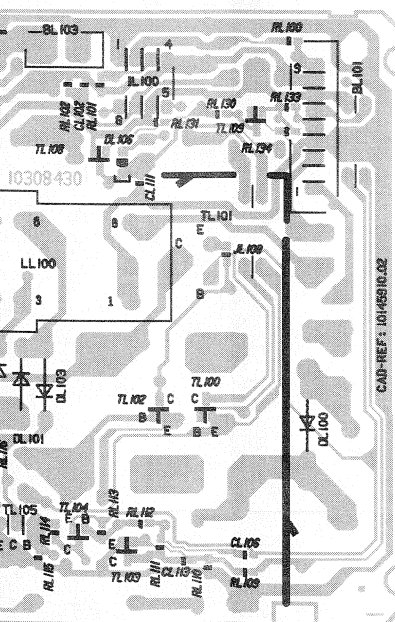
MAIN CIRCUIT BOARD - CIRCUITS IMPRIMES - GEDRUCKTE SCHALTUNG - CIRCUITI STAMPATI

SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE



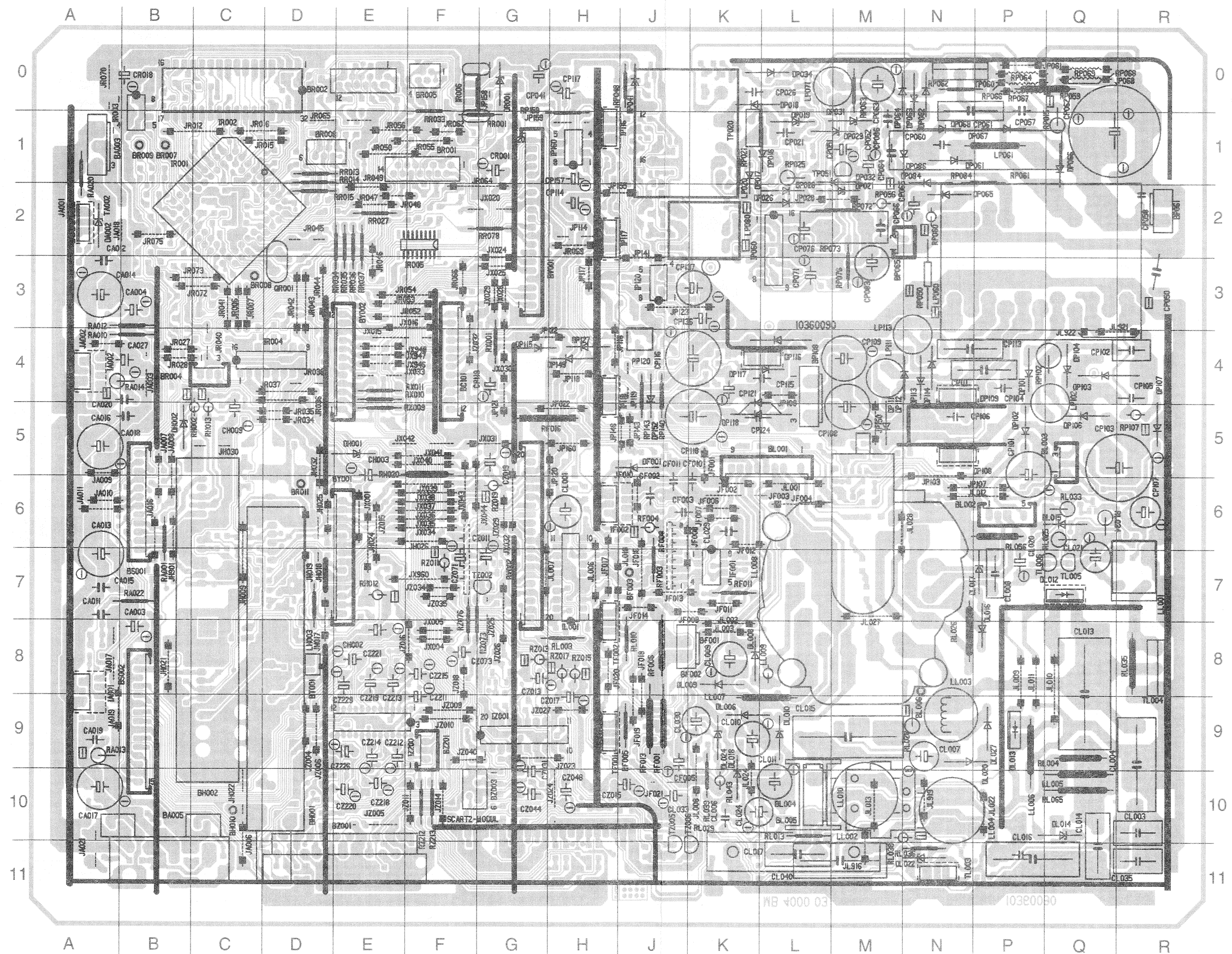


- COTE CUIVRE - LÖTSEITE
ATURE- LADO DEL COBRE



MAIN CIRCUIT BOARD - CIRCUITS IMPRIMES - GEDRUCKTE SCHALTUNG - CIRCUITI STAMPATI - CIRCUITOS IMPRESOS

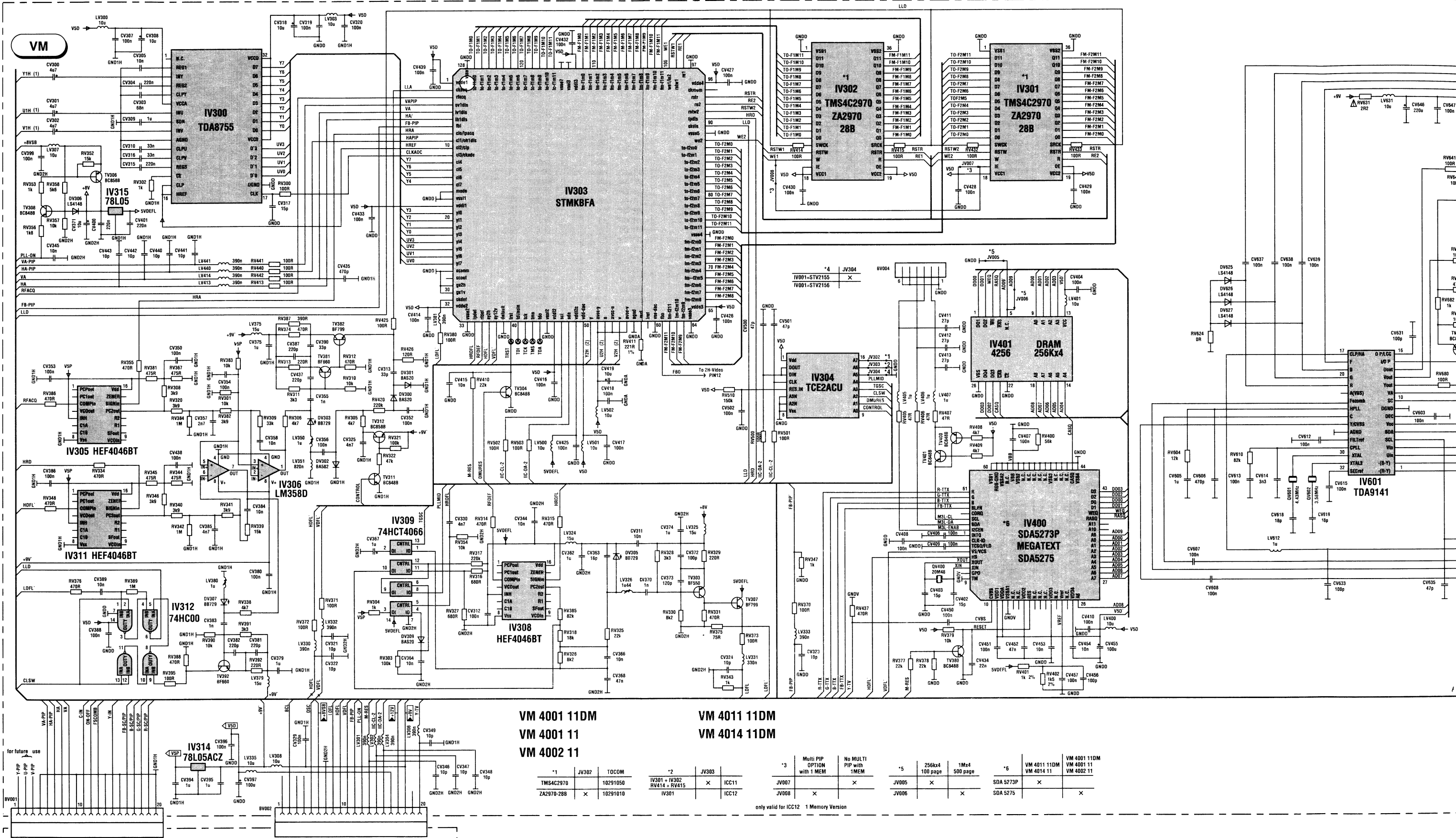
COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

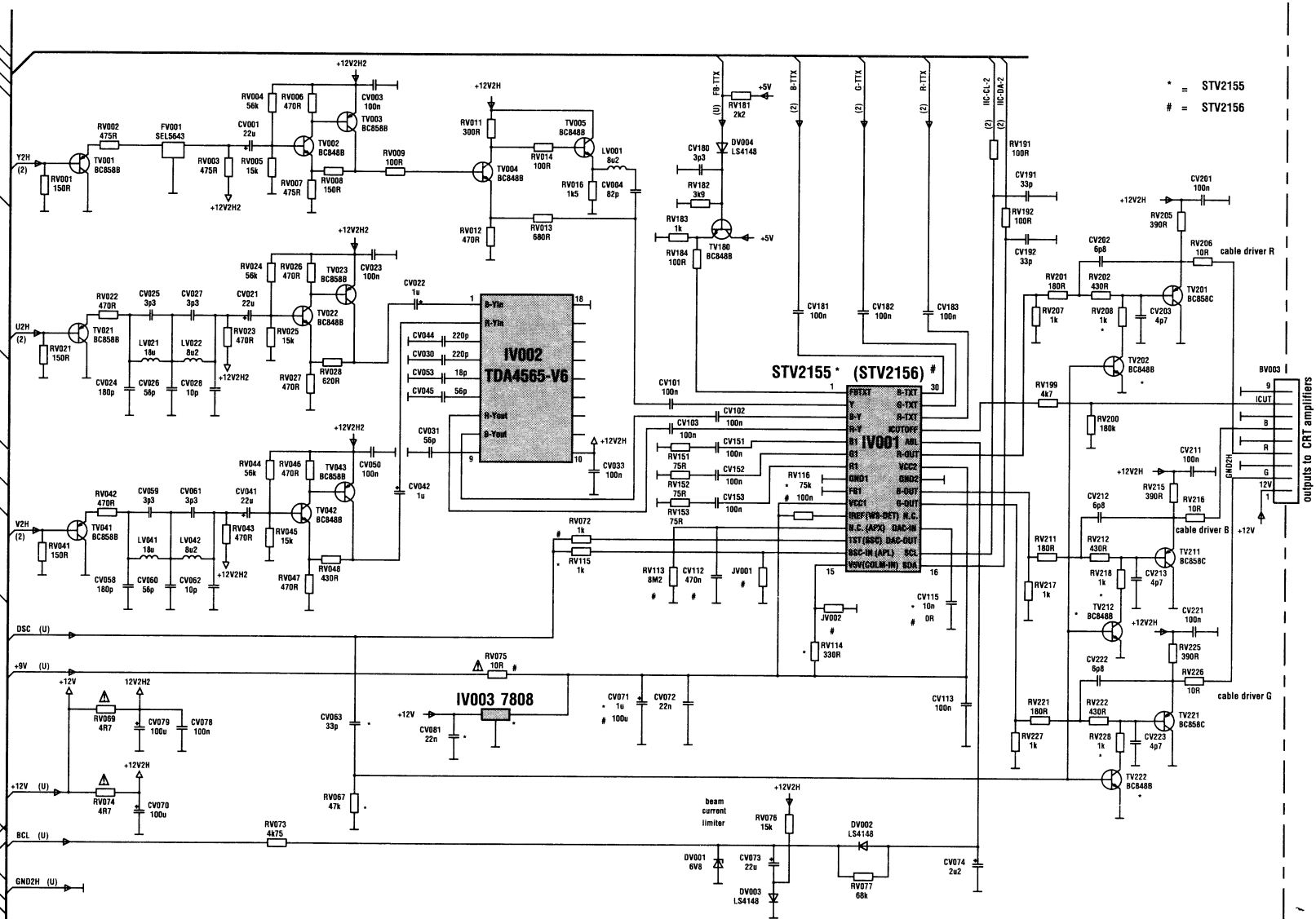
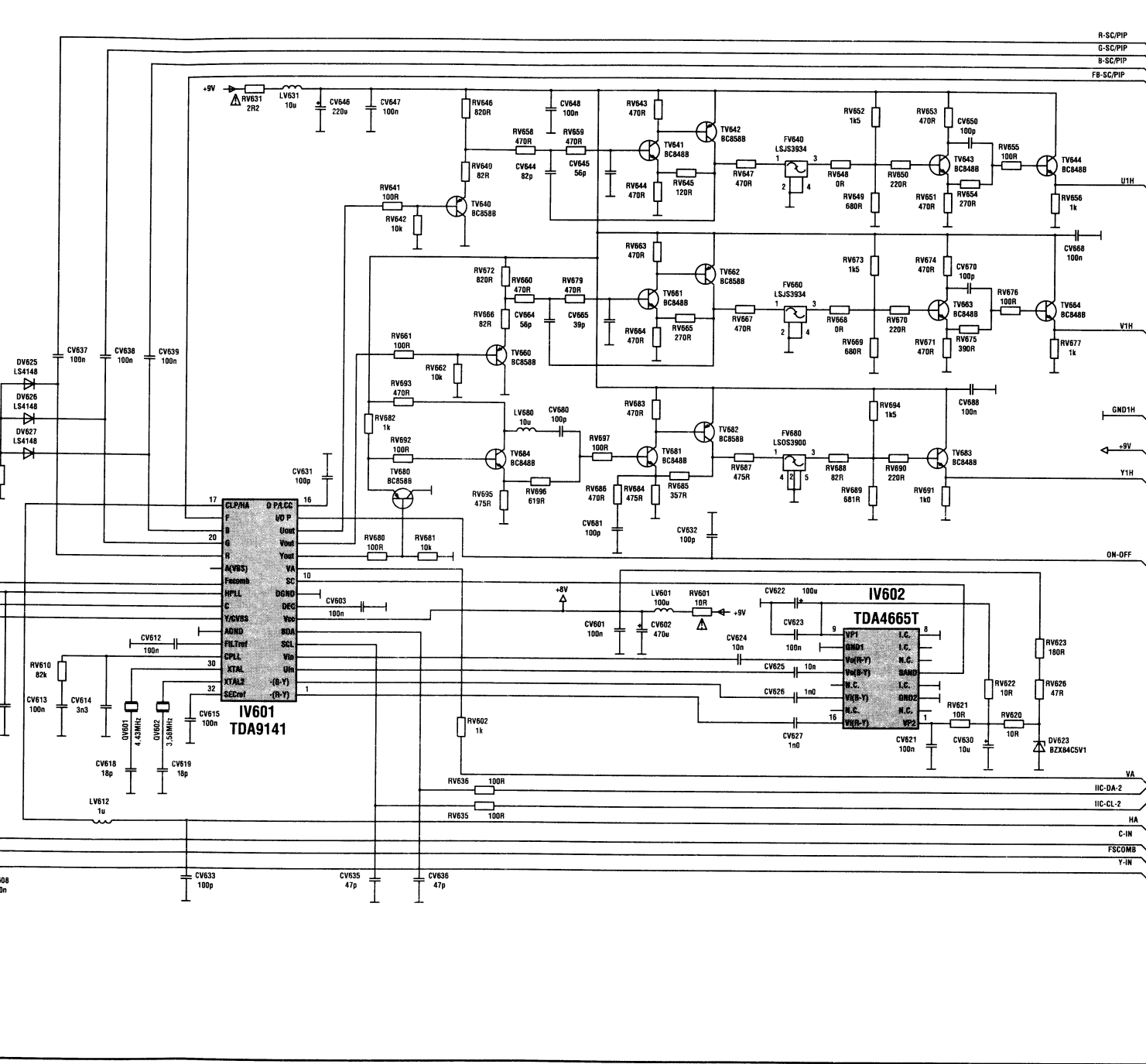


* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

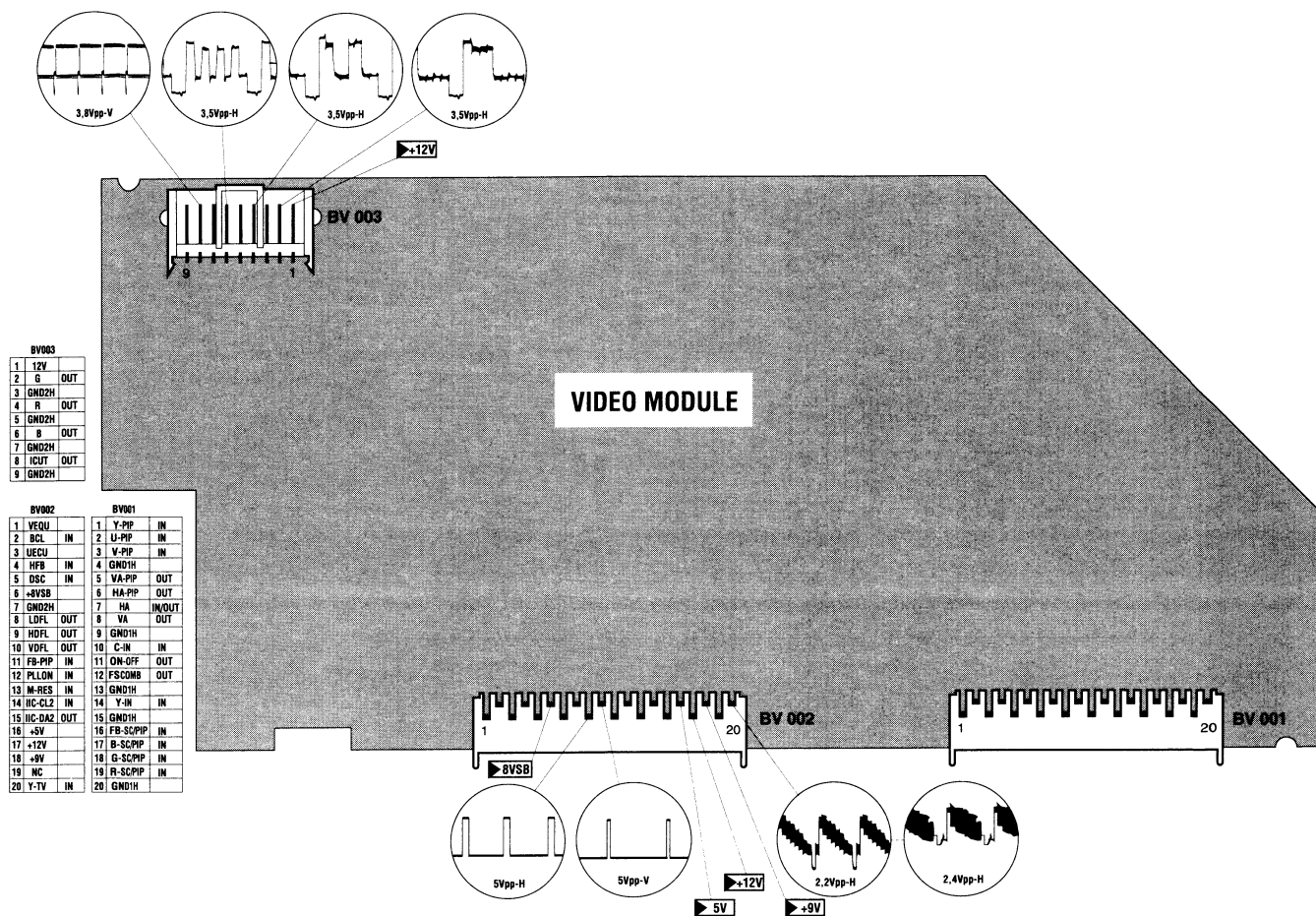
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A8</div><div>BS002* B9</div><div>BT001 D8</div><div>BV001 H3</div><div>BV001* G3</div><div>BV002 G7</div><div>BV002* G5</div><div>BY001 E6</div><div>BY001* E7</div><div>BY002 E3</div><div>BY002* D4</div><div>BZ001 E10</div><div>BZ001* E11</div><div>BZ003 G10</div><div>BZ003* F10</div><div>BZ201 F9</div><div>BZ201* F9</div></div><div><div>CA020 A4</div><div>CA021* B10</div><div>CA022* A10</div><div>CA023* C11</div><div>CA024* A11</div><div>CA025* C11</div><div>CA026* B11</div><div>CA027 B4</div><div>CA028* A11</div><div>CA029* B11</div><div>CA030* B11</div><div>CA031* C10</div><div>CA032* A10</div><div>CA033* B10</div><div>CF001 J5</div><div>CF001* J5</div><div>CF002 J6</div><div>CF002* J6</div><div>CF003 J6</div><div>CF004* K7</div><div>CF005 J10</div><div>CF006* H6</div><div>CF007* K6</div><div>CF008* J6</div><div>CF009* J7</div><div>CF010 K5</div><div>CF001* D8</div><div>CH002 E8</div><div>CH003 E5</div><div>CH004* D6</div><div>CH005* D6</div><div>CH006* C6</div><div>CH007* 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VIDEO MODULE - MODULE VIDEO - VIDEO BAUSTEIN - MODULO VIDEO - MÓDULO VIDEO

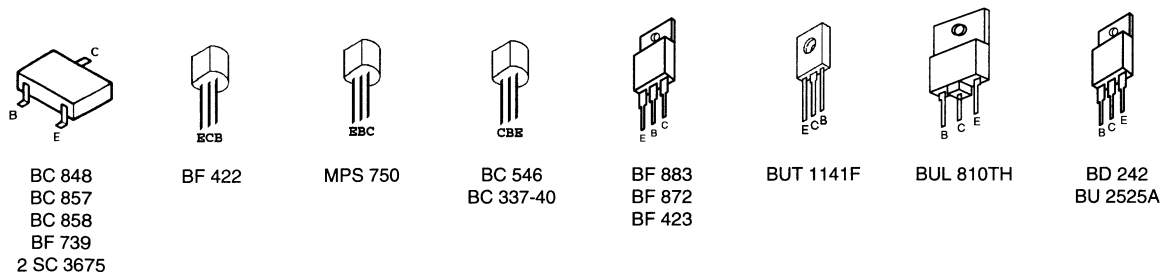
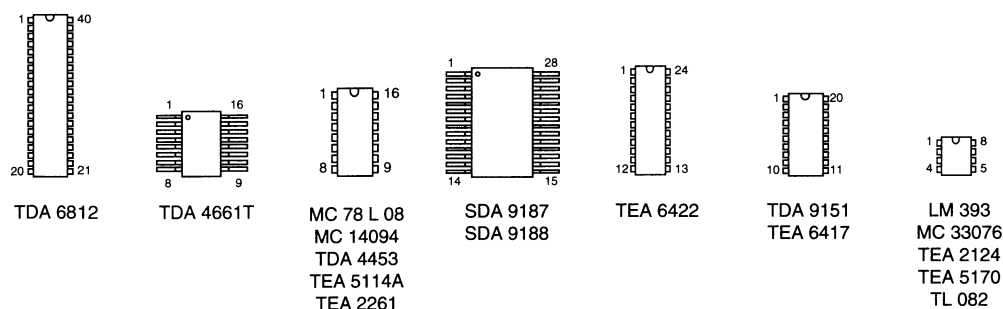




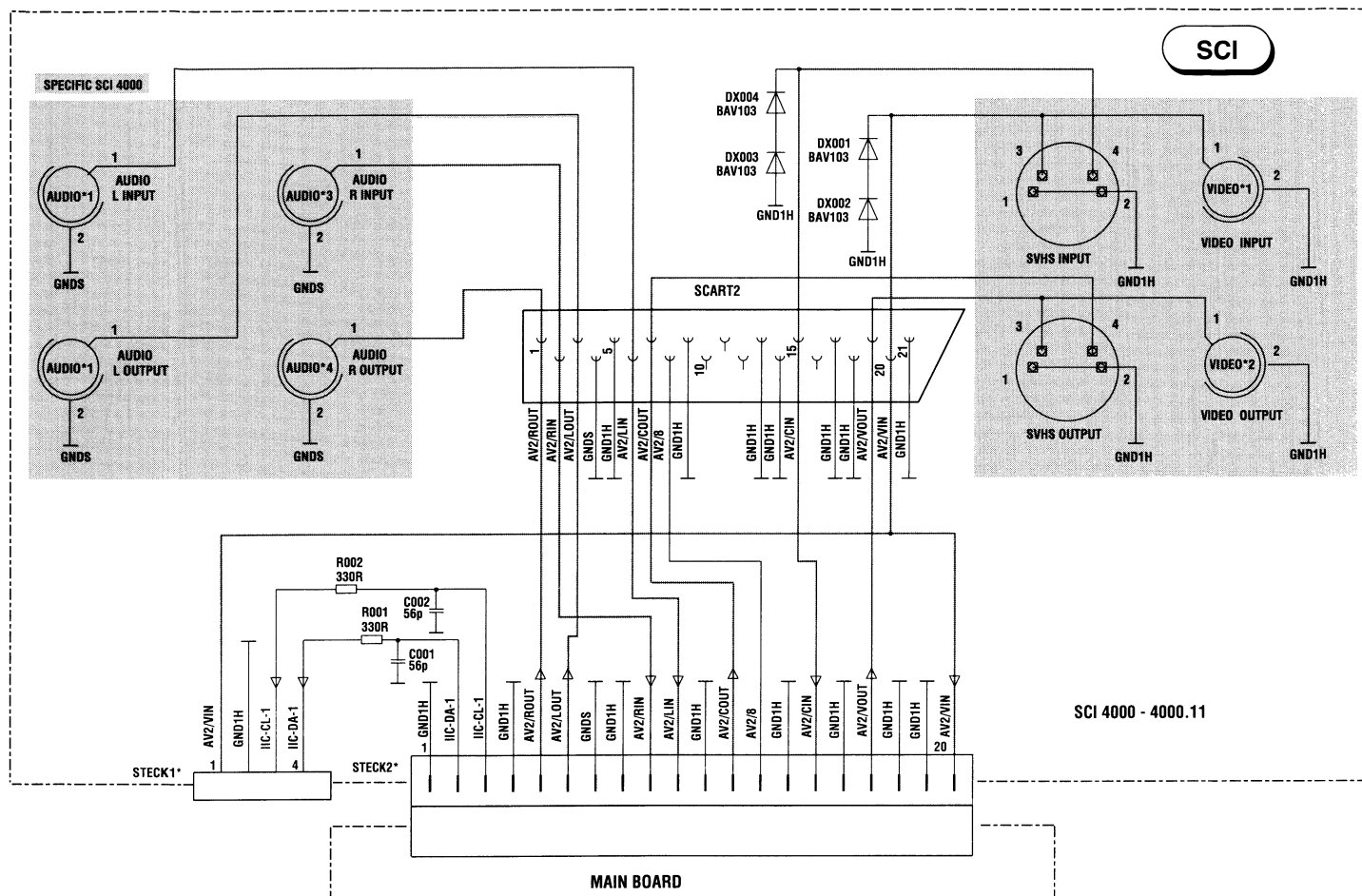
VIDEO MODULE - MODULE VIDEO - VIDEO BAUSTEIN - MODULO VIDEO - MÓDULO VIDEO



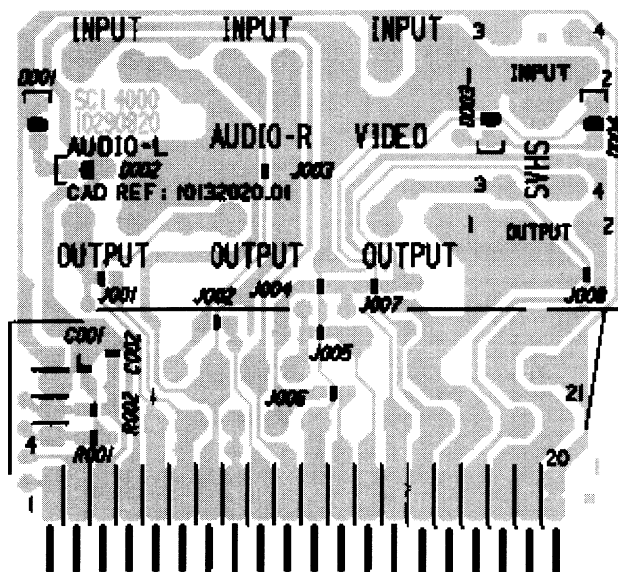
INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI E TRANSISTORS CIRCUITOS INTEGRADOS Y TRANSISTORES



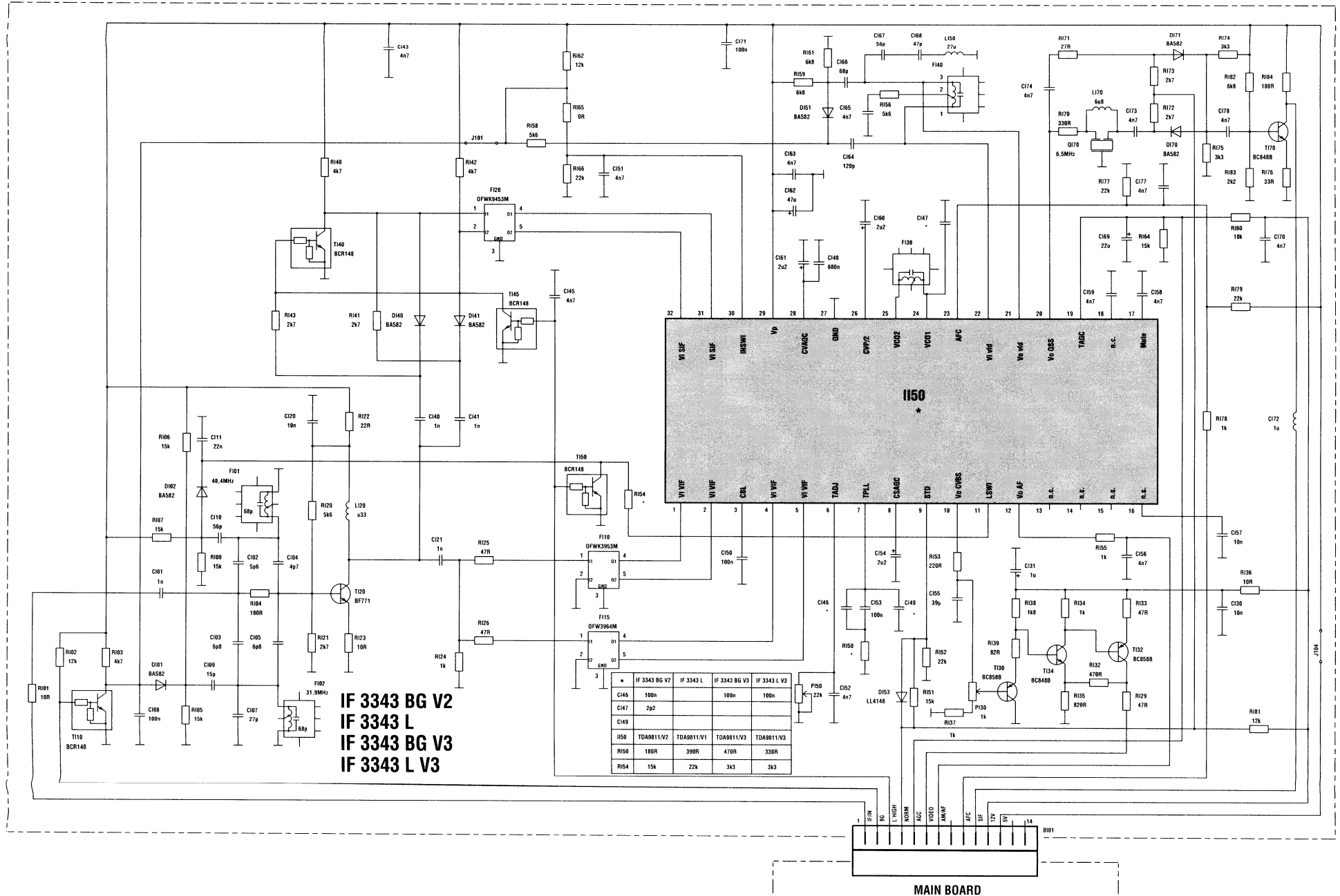
**SCART INTERFACE MODULE - MODULE INTERFACE PERITELEVISION
MODULO PRESA PERITEL - MODULO EUROTOMA**

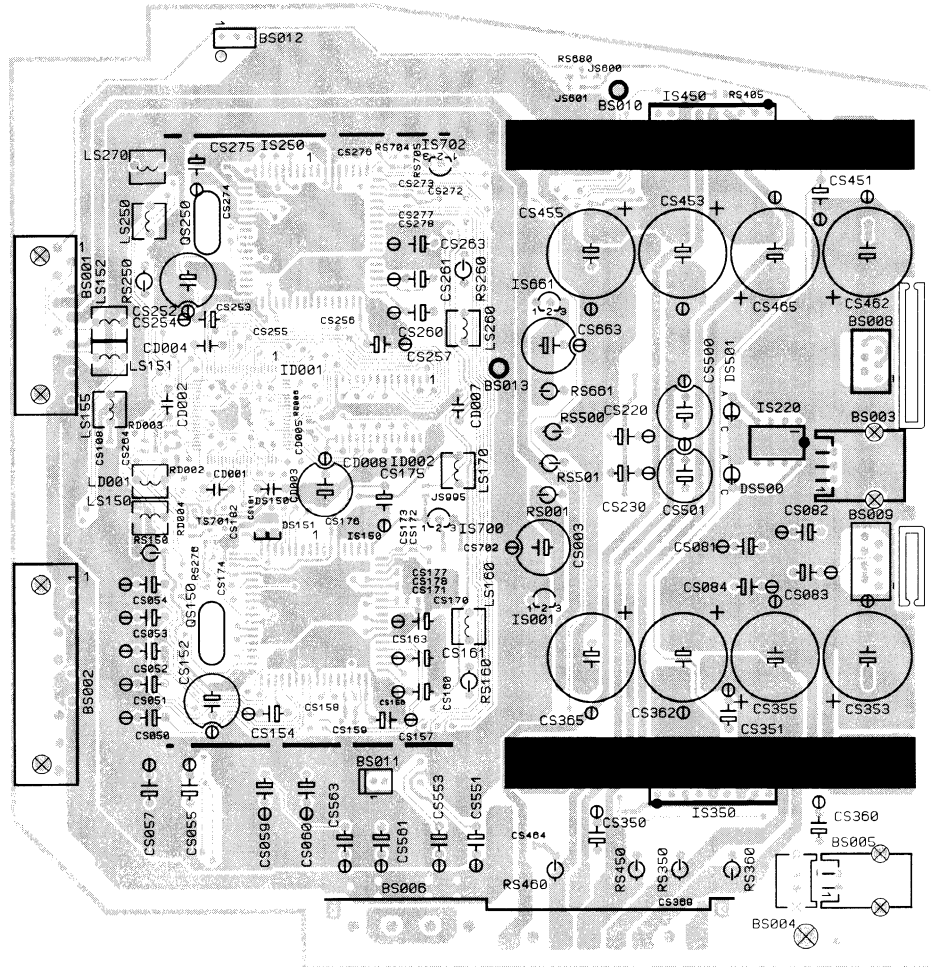
**SCI 4000**

COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES

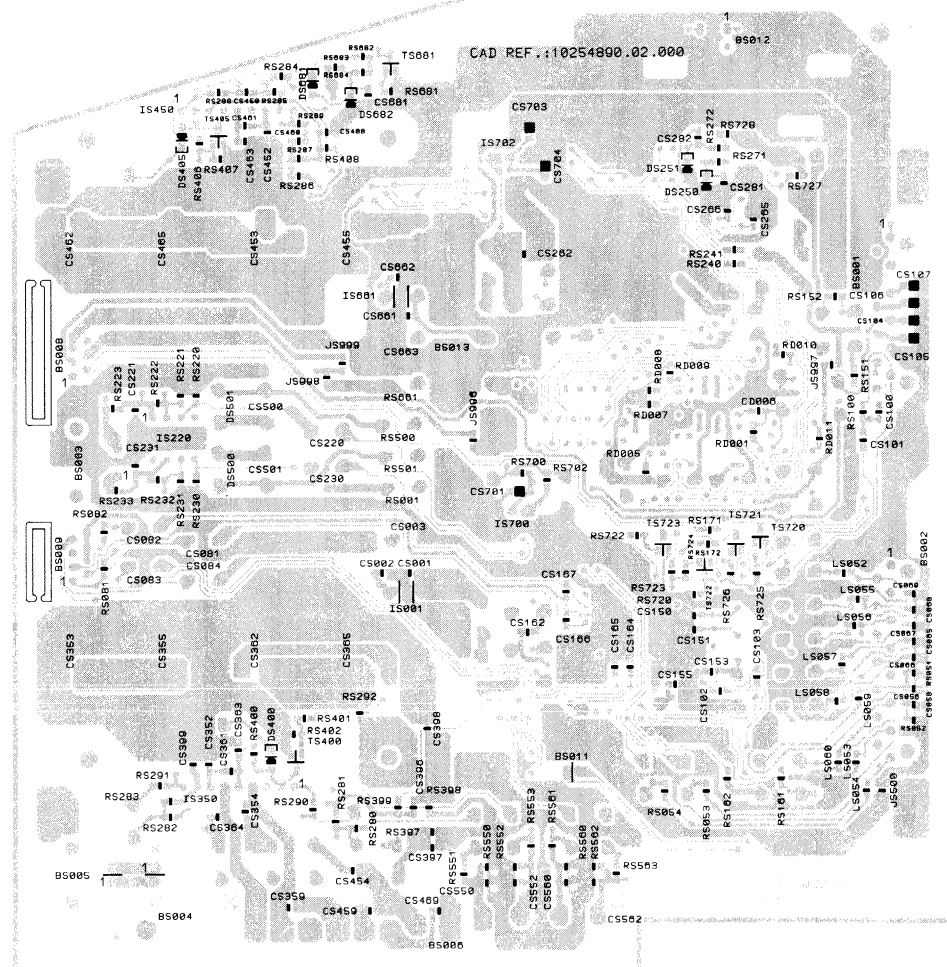


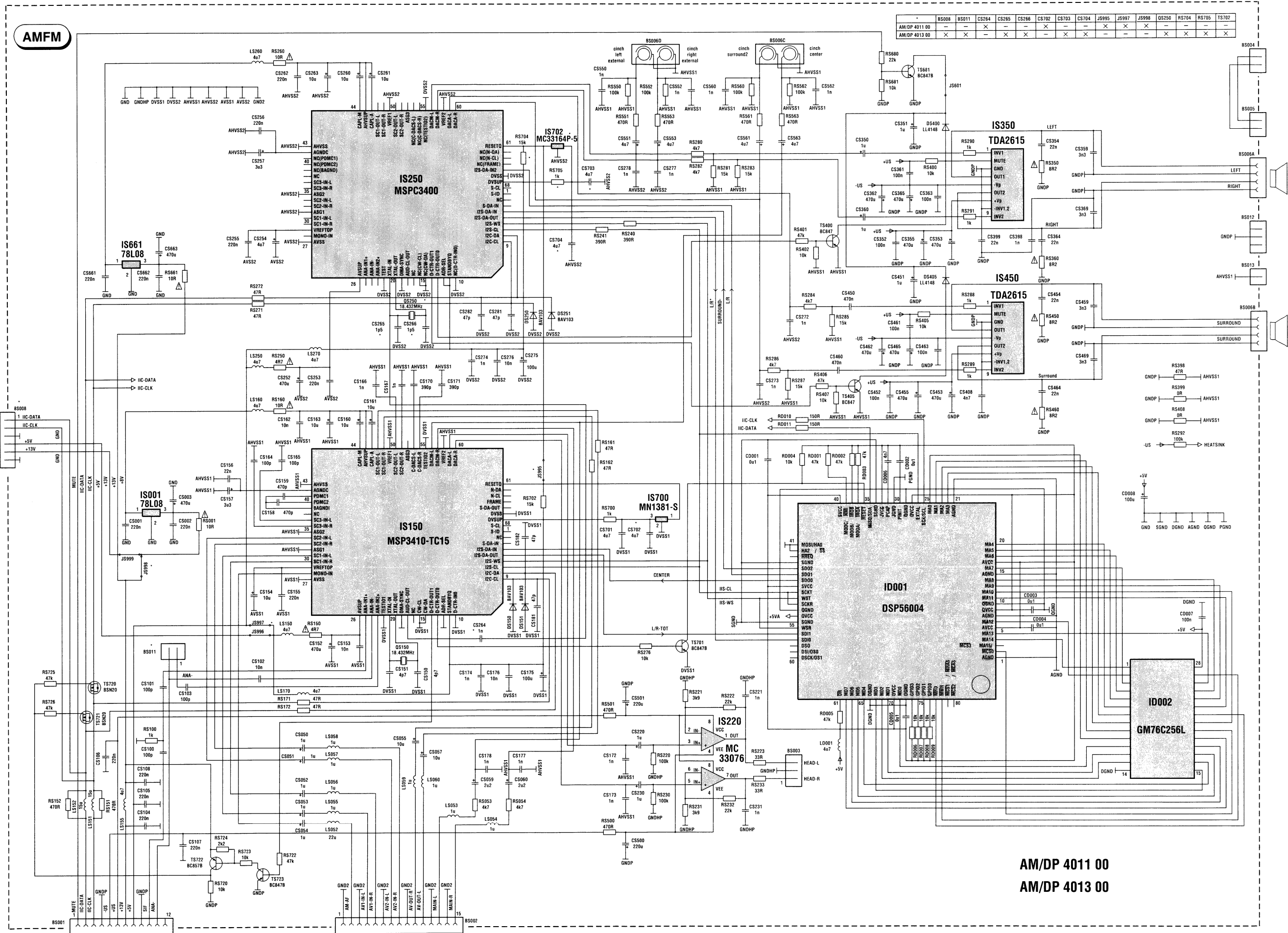
IF AMPLIFIER - AMPLIFICATEURS FI - ZF VERSTÄRKER - AMPLIFICATORE FI - AMPLIFICADOR FI For information only



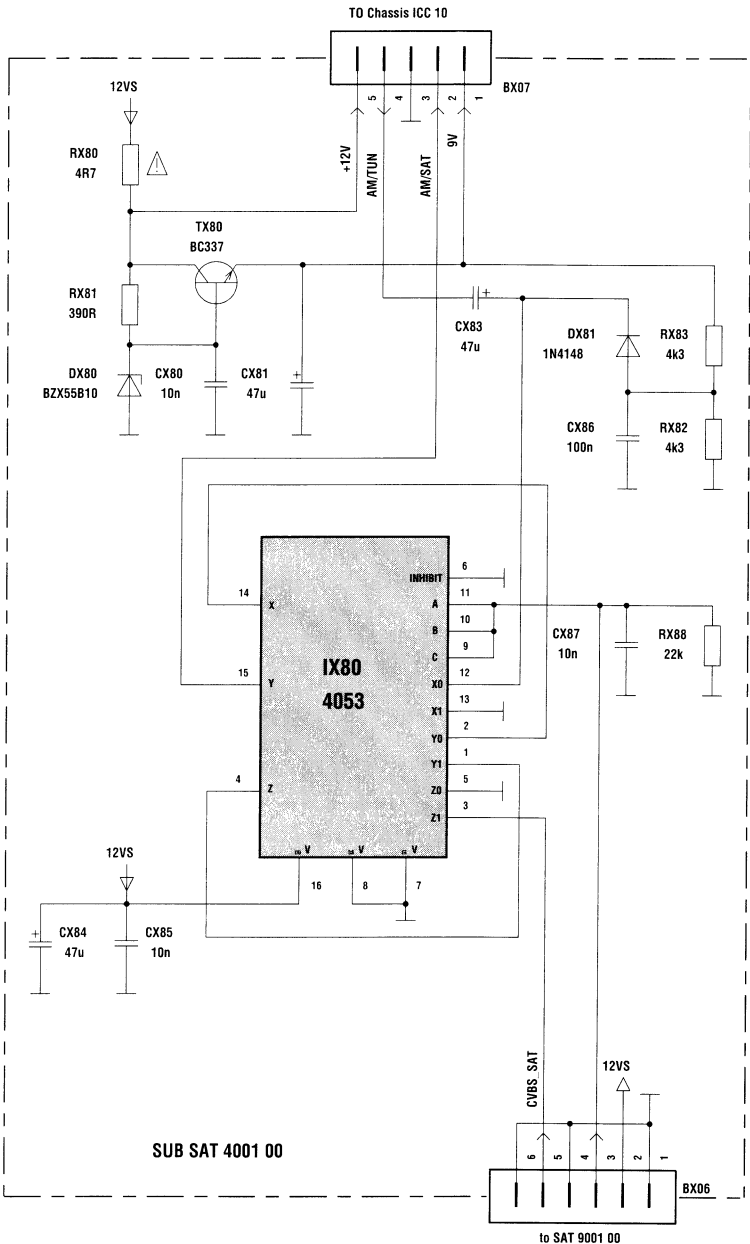


SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

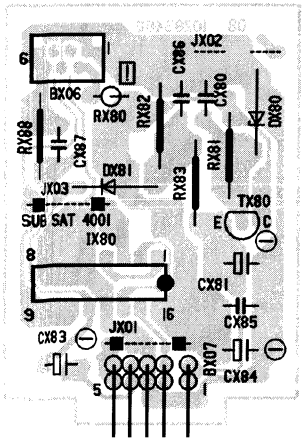




SUB SATELLITE MODULE - SOUS MODULE SATELLITE - SATELLITEN SUB MODUL
MODULO SATELLITE - MÓDULO SATELLITE

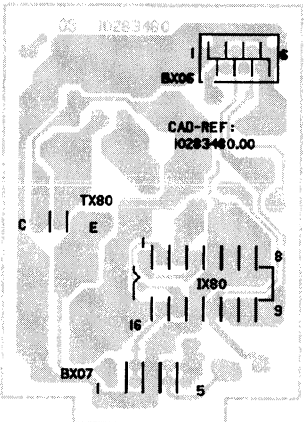


COMPONENT SIDE - COTE ELEMENTS
BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES



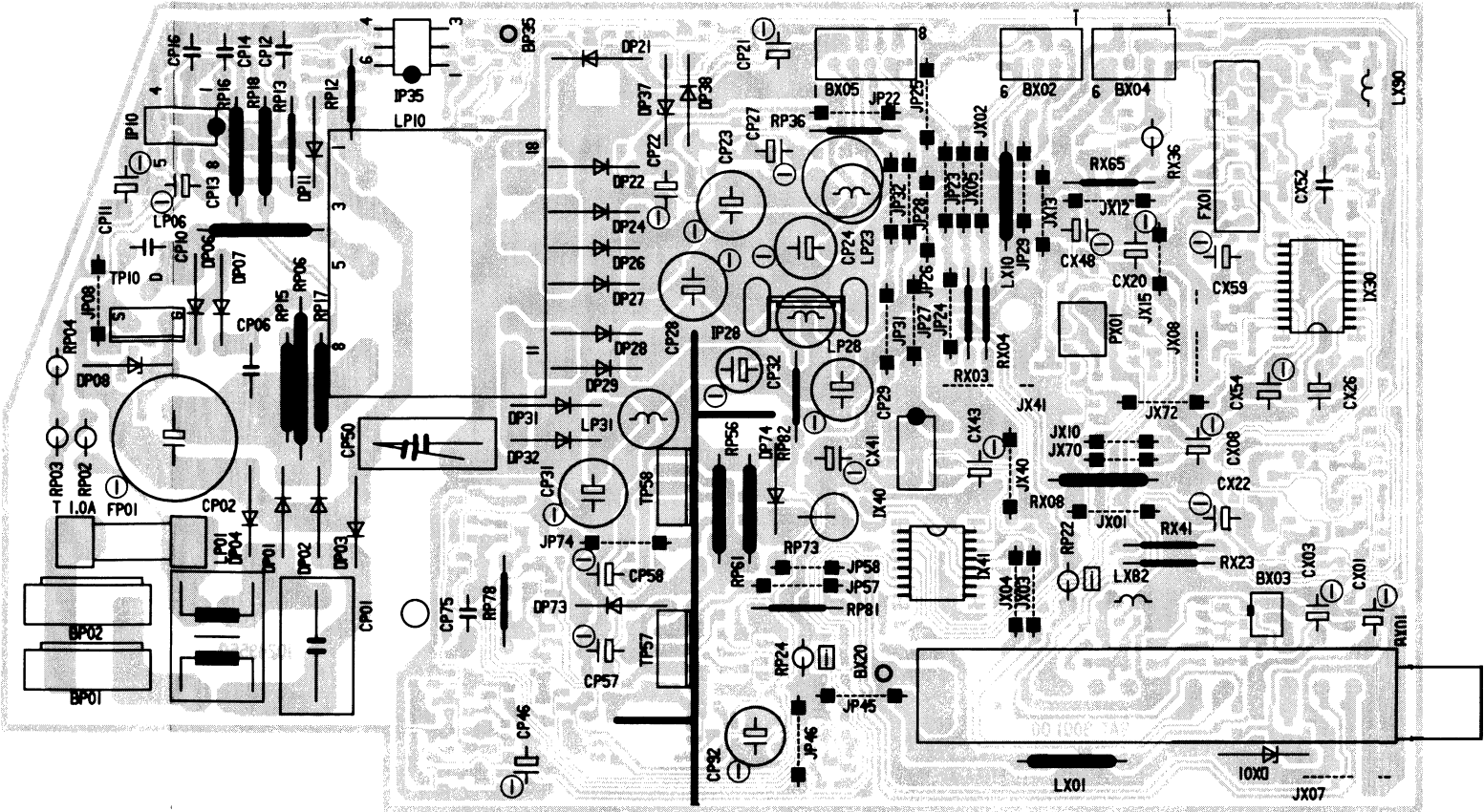
SUB SAT 4001

SOLDER SIDE - COTE CUIVRE
LÖTSEITE
LATO SALDATURE - LADO DEL COBRE

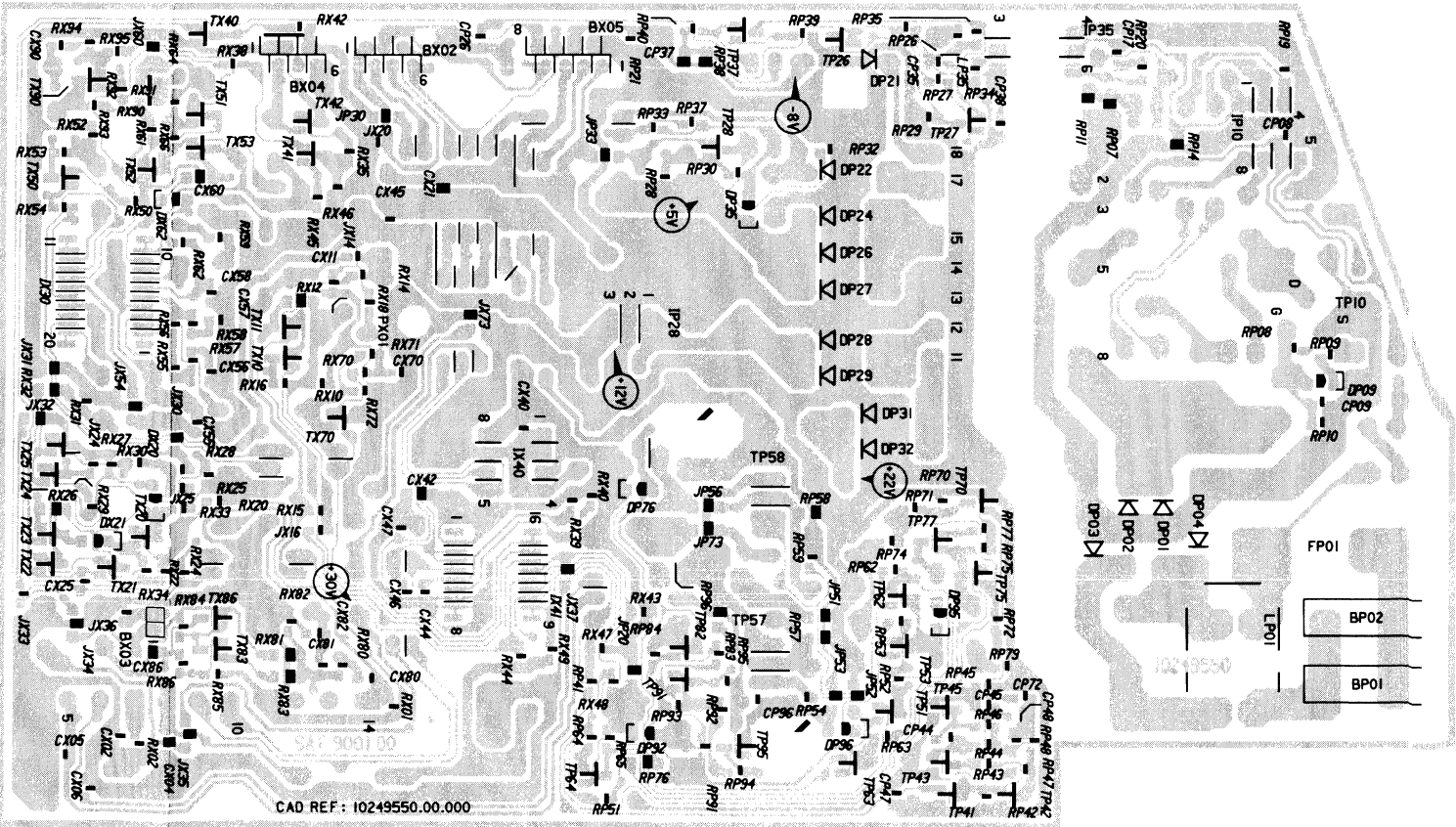


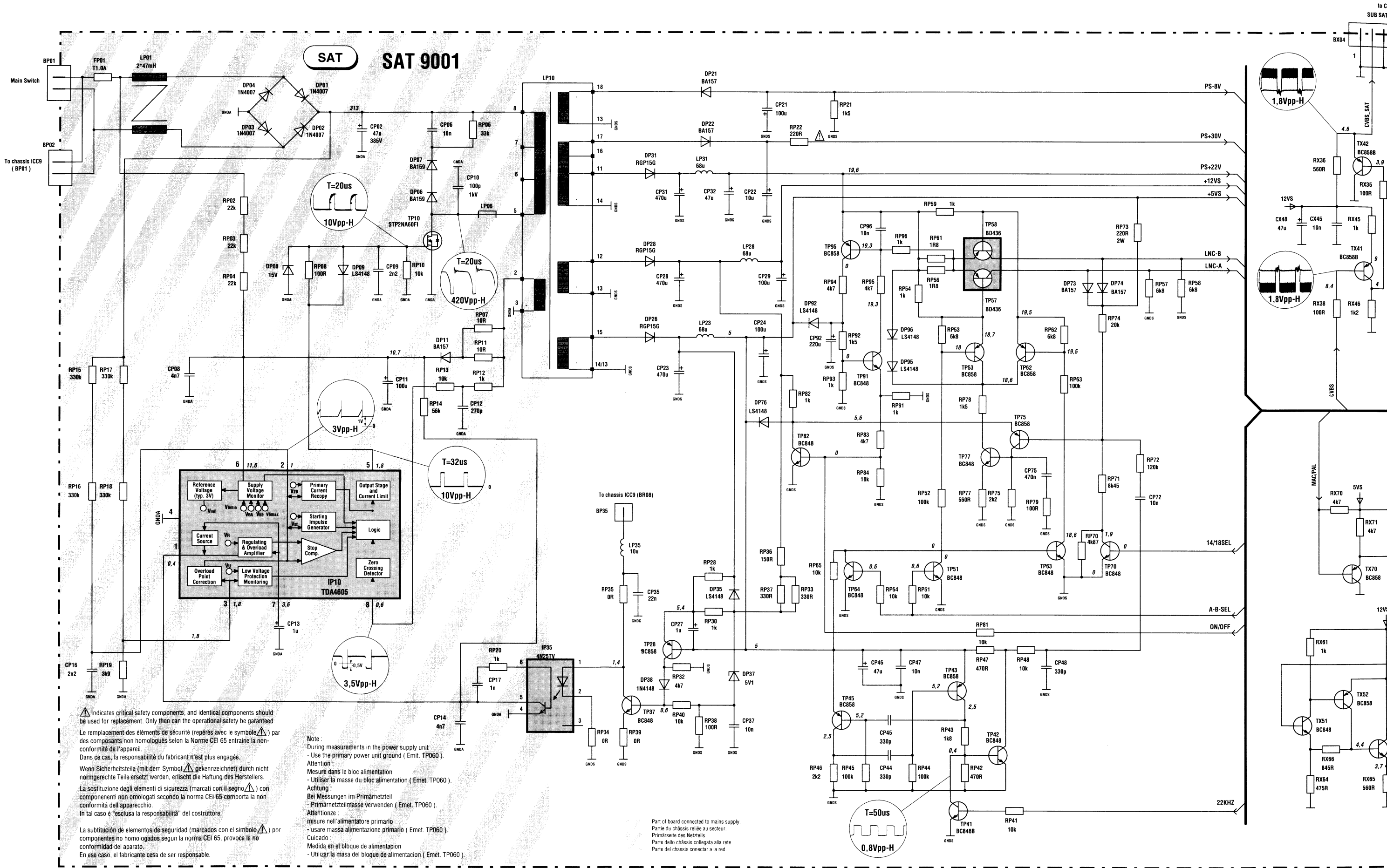
SAT 9001

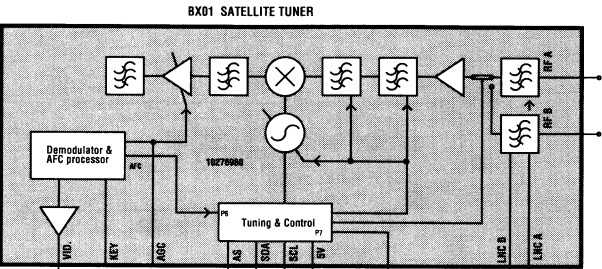
COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



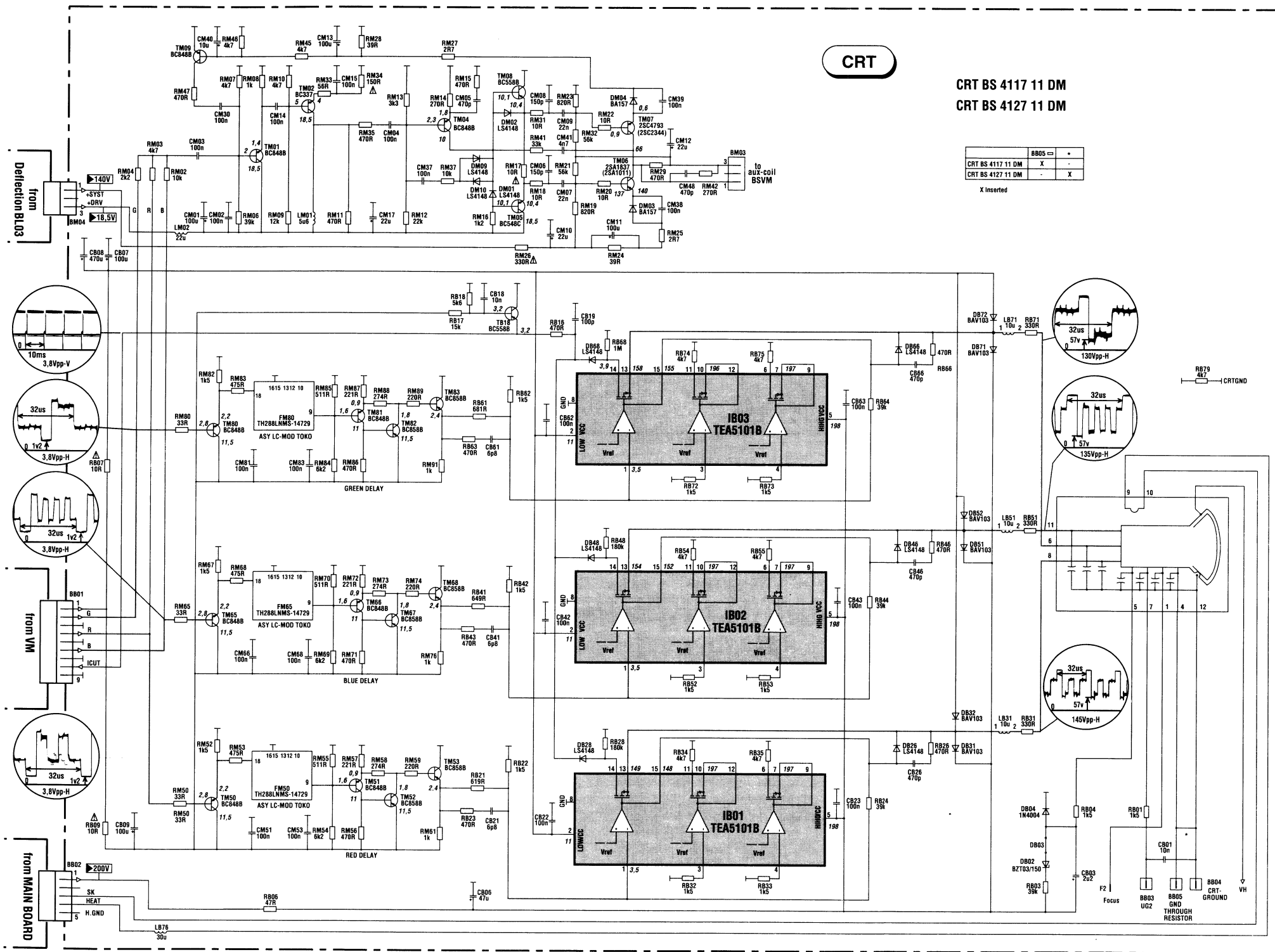
SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE



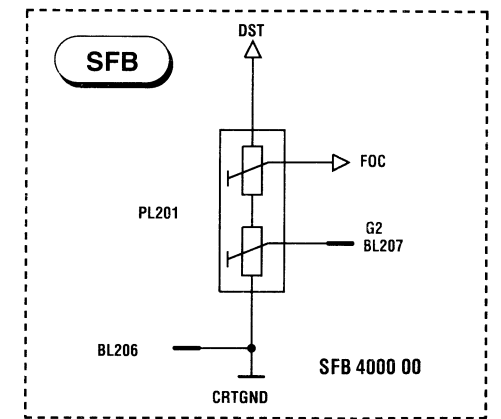
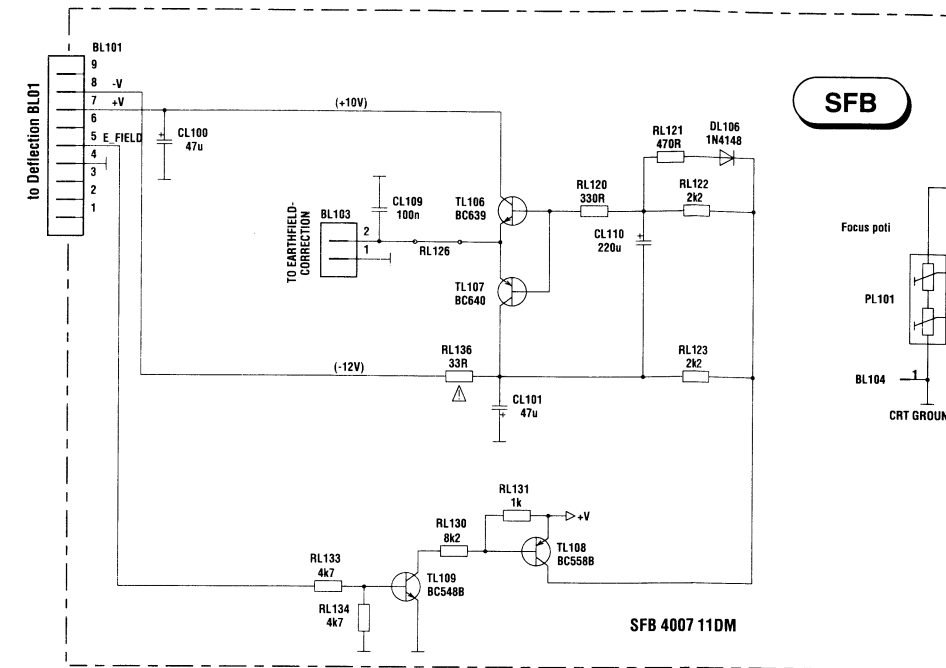




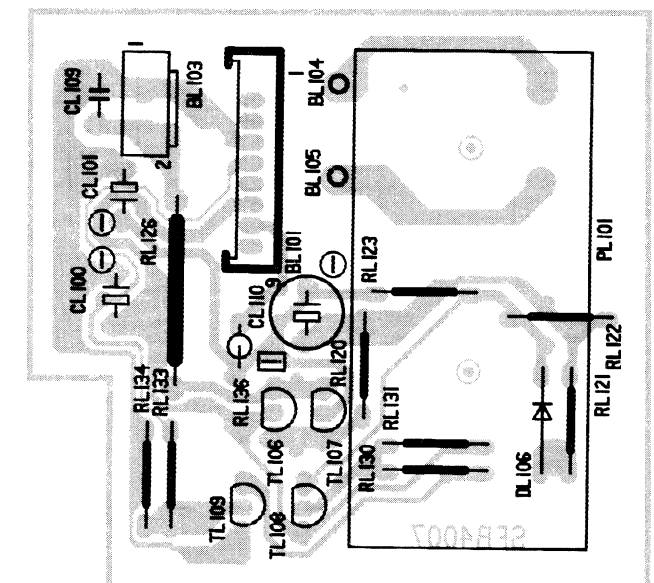
**VIDEO AMPLIFIER - AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKER
AMPLIFICATORE VIDEO - AMPLIFICADOR VIDEO**



**FOCUS MODULE - MODULE FOCUS - FOKUS BAUSTEIN
MODULO FUOCO - MODULO FOCUS**

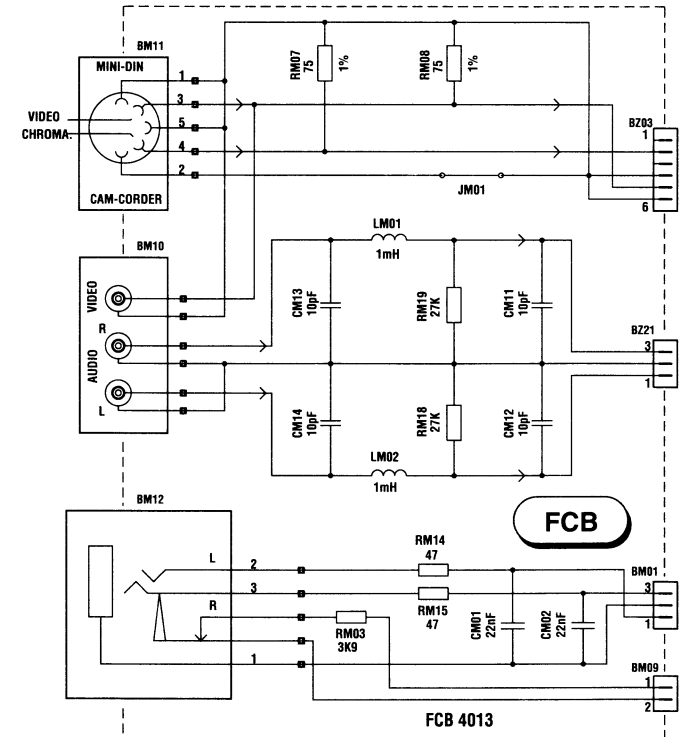
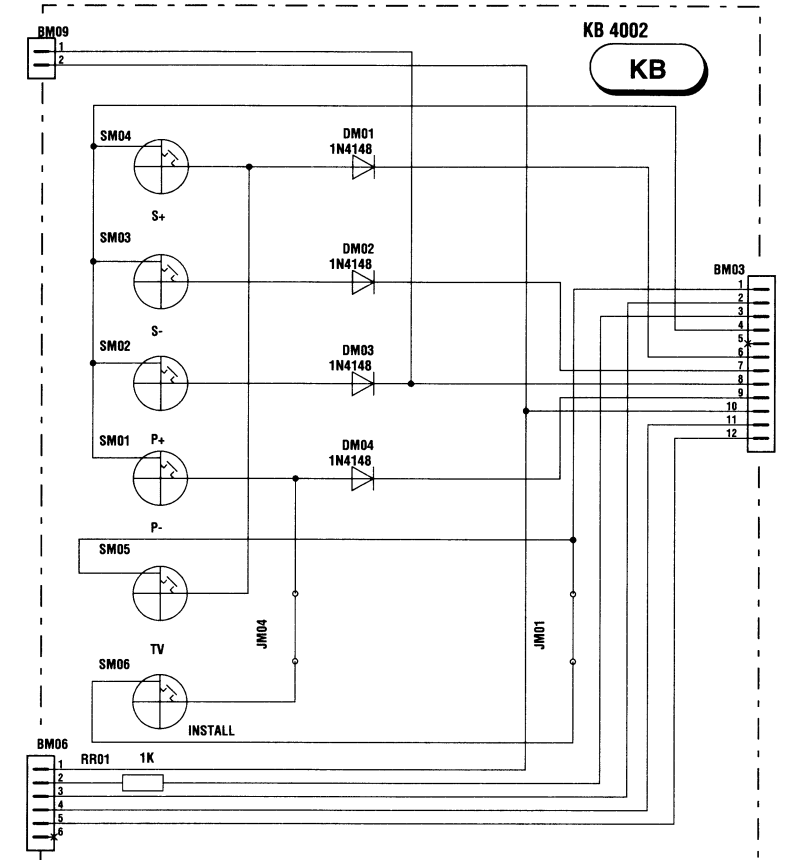
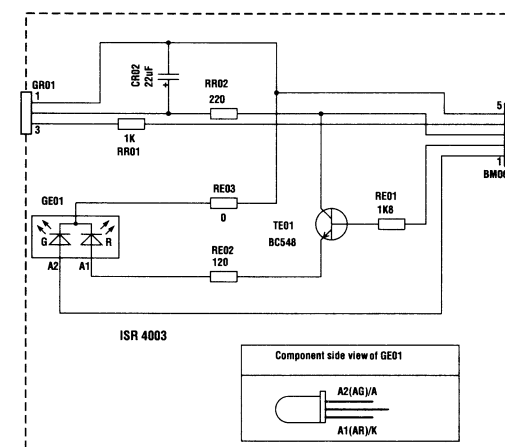
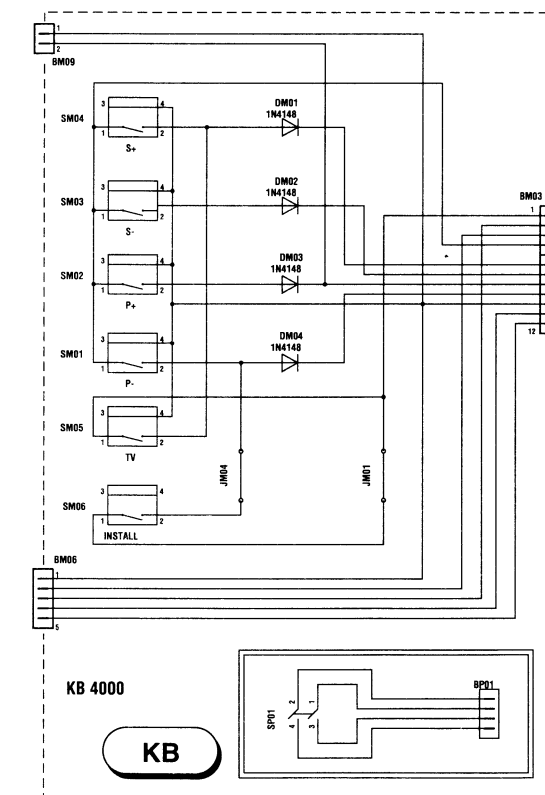
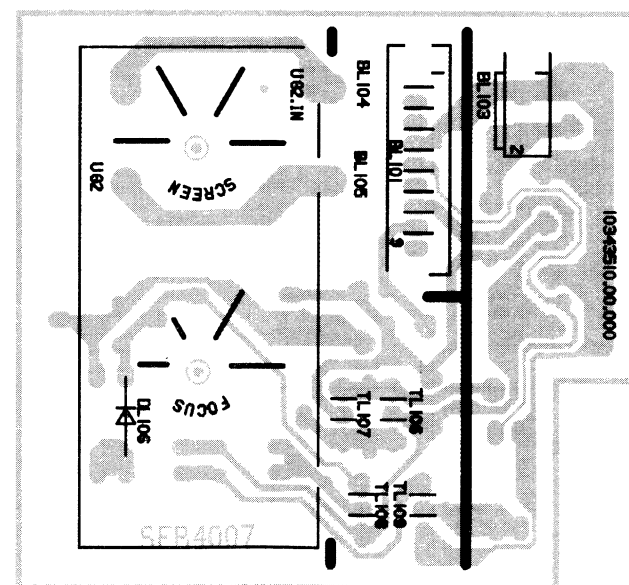
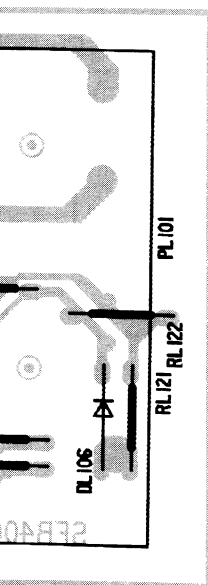
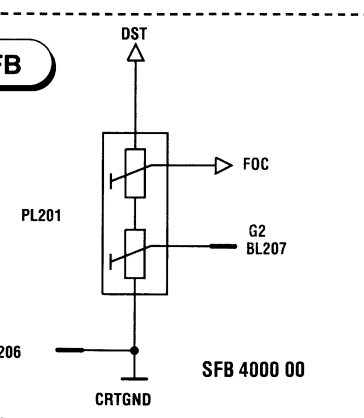


COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES



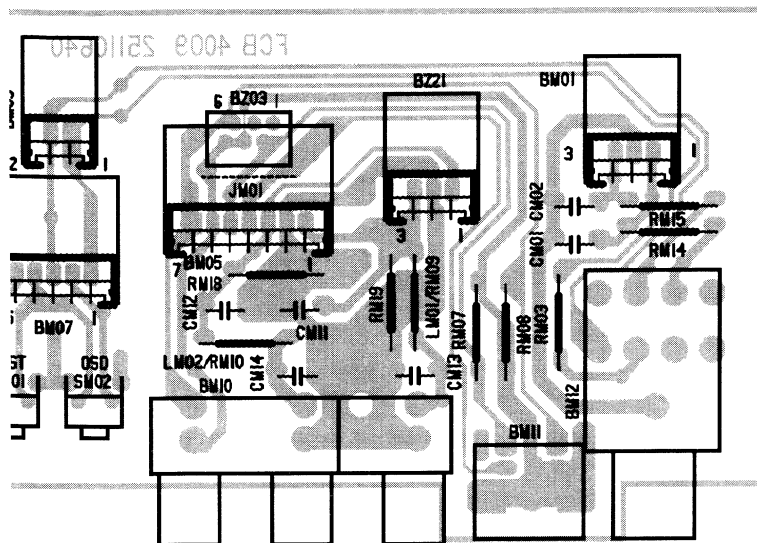
SFB 4007

FRONT CONNECTION BOARD - MODULE PRISES EN FACADE ET INTERCONNEXION DU CLAVIER - FRONTANSCHLUSSPLATTE
PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL

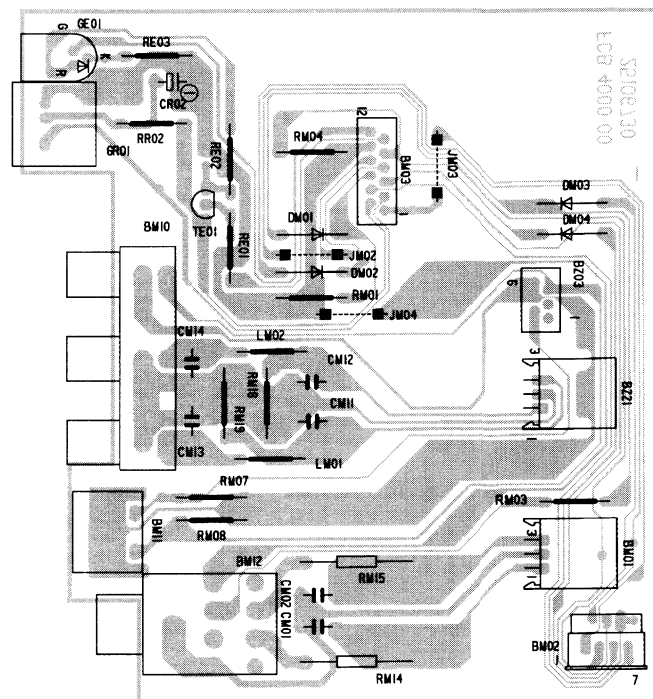


COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES

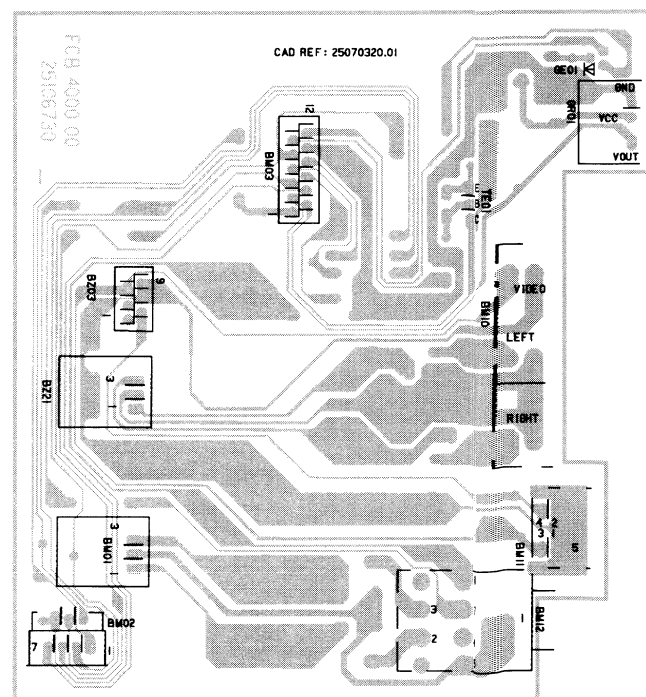
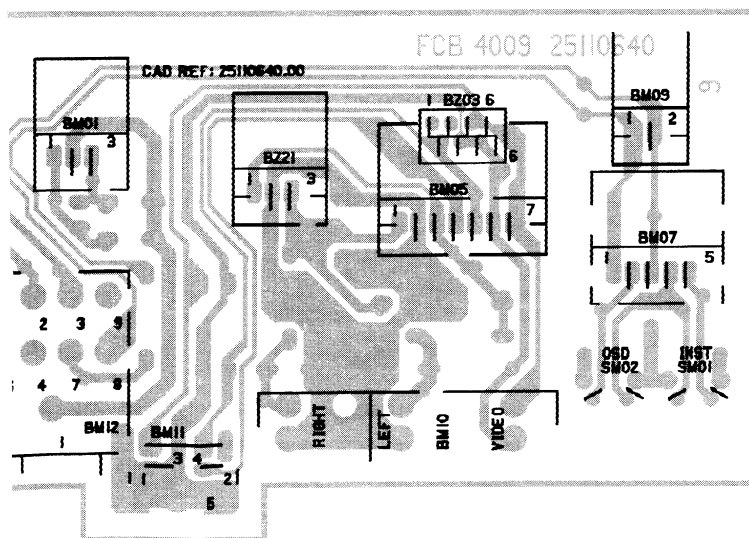
FCB 4009



FCB 4000

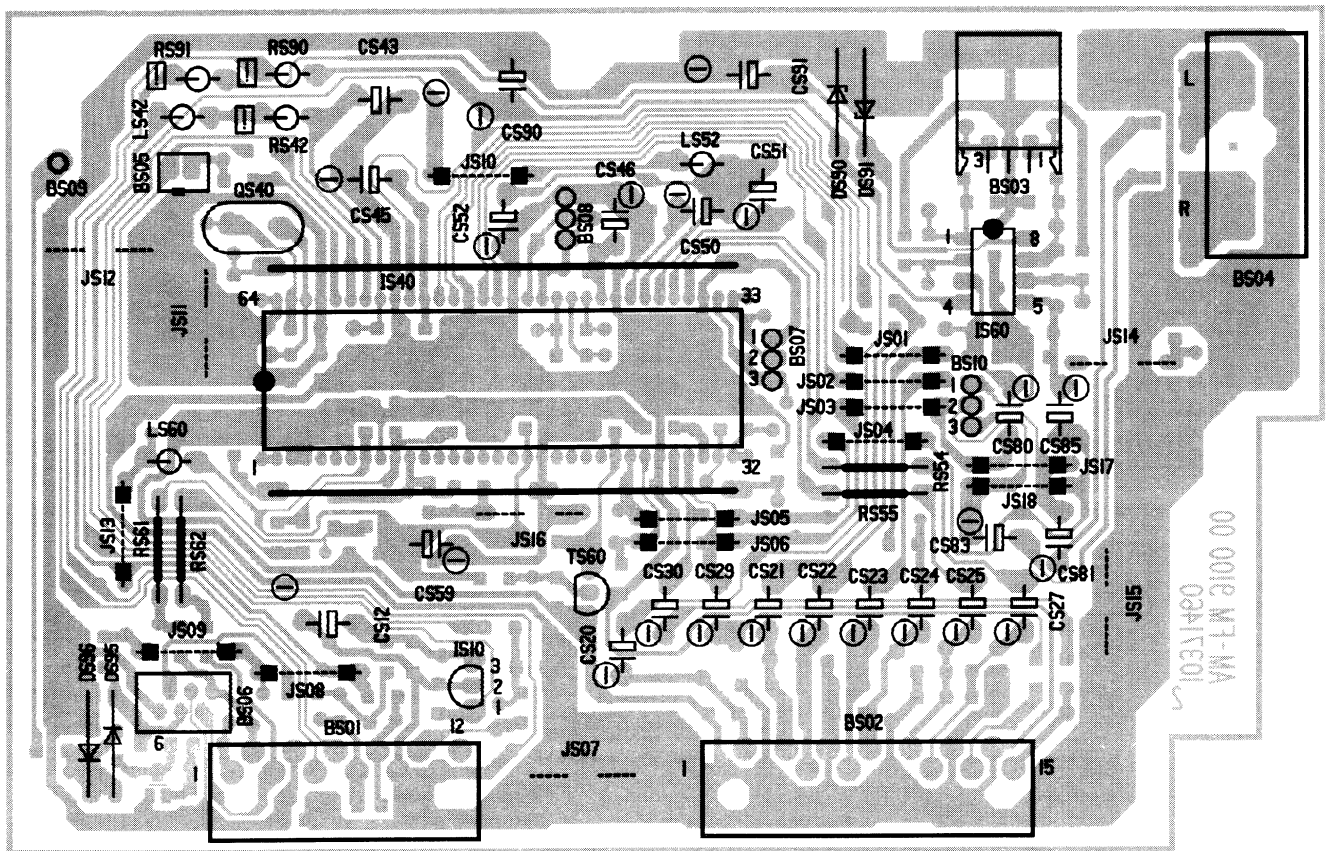


COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE
LATO COMPONENTI - LADO COMPONENTES

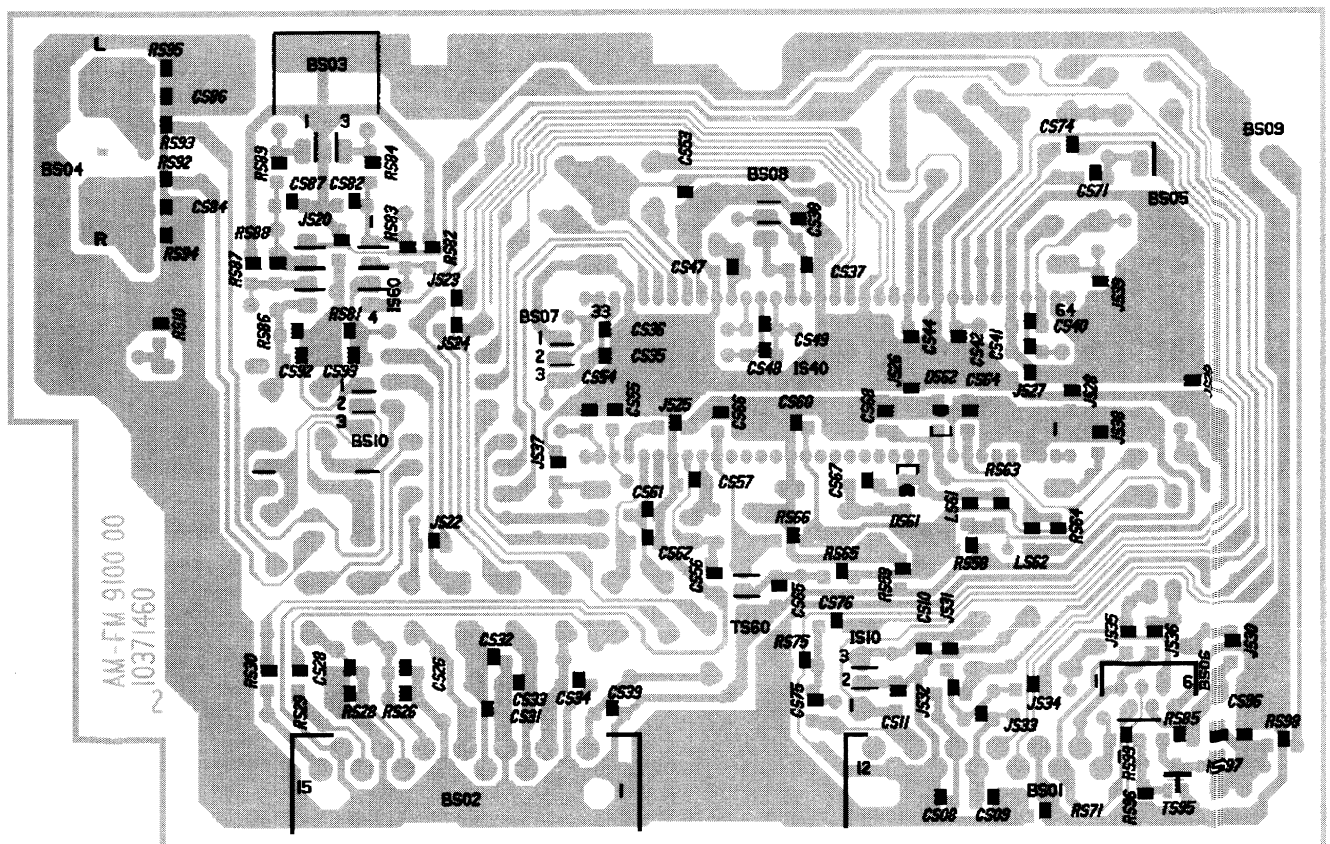


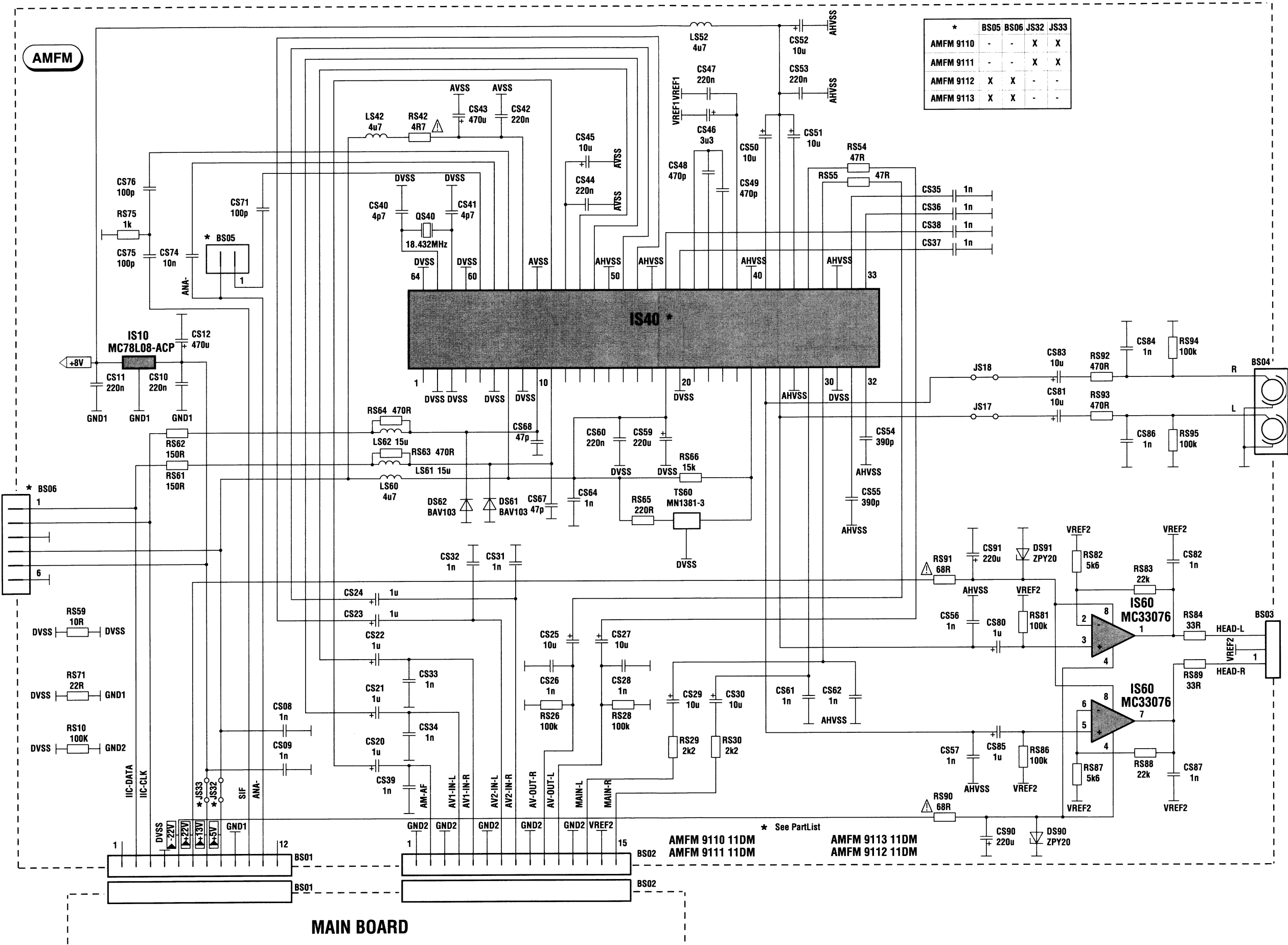
AM FM 9110 - 03

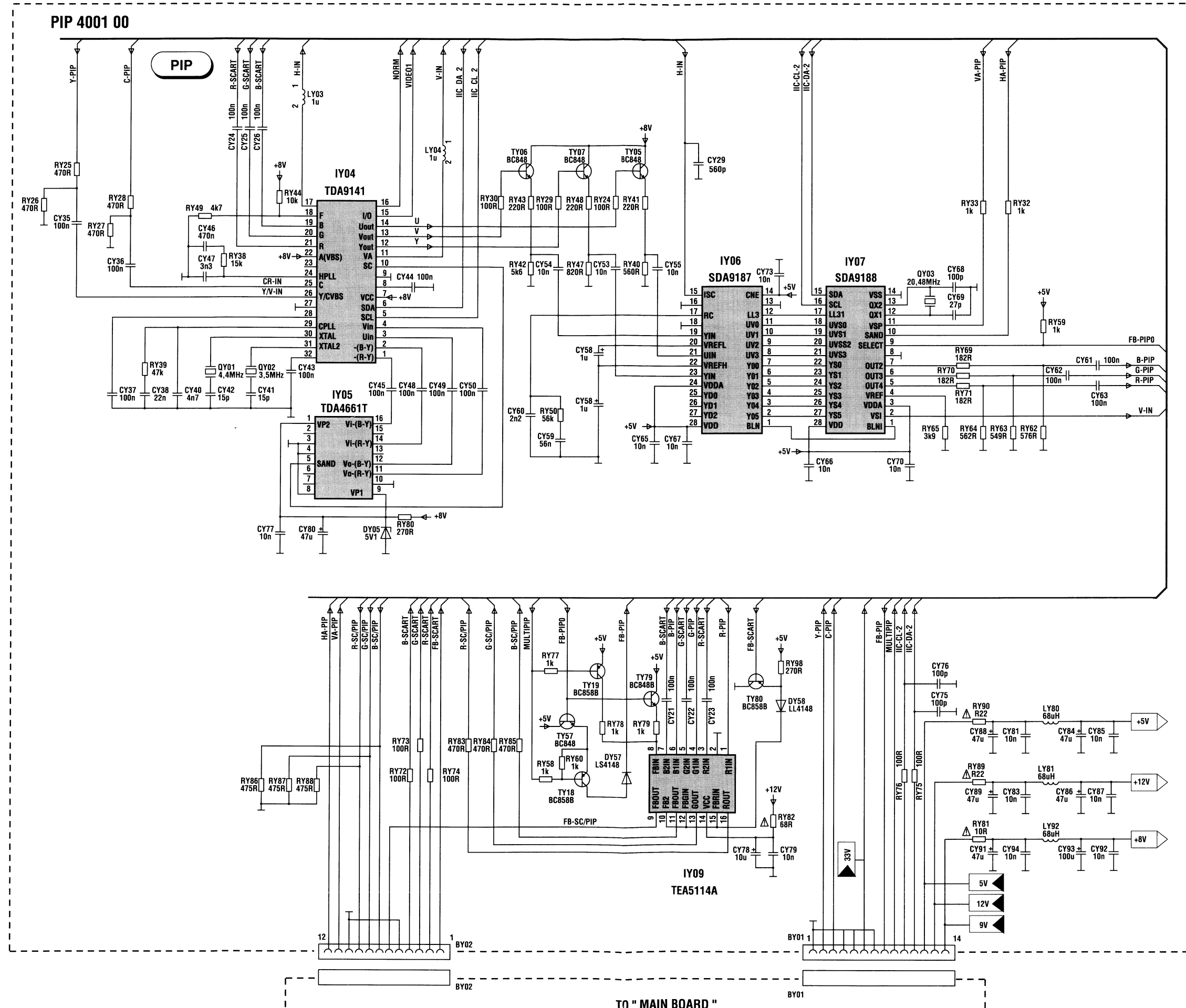
COMPONENT SIDE - COTE ELEMENTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES

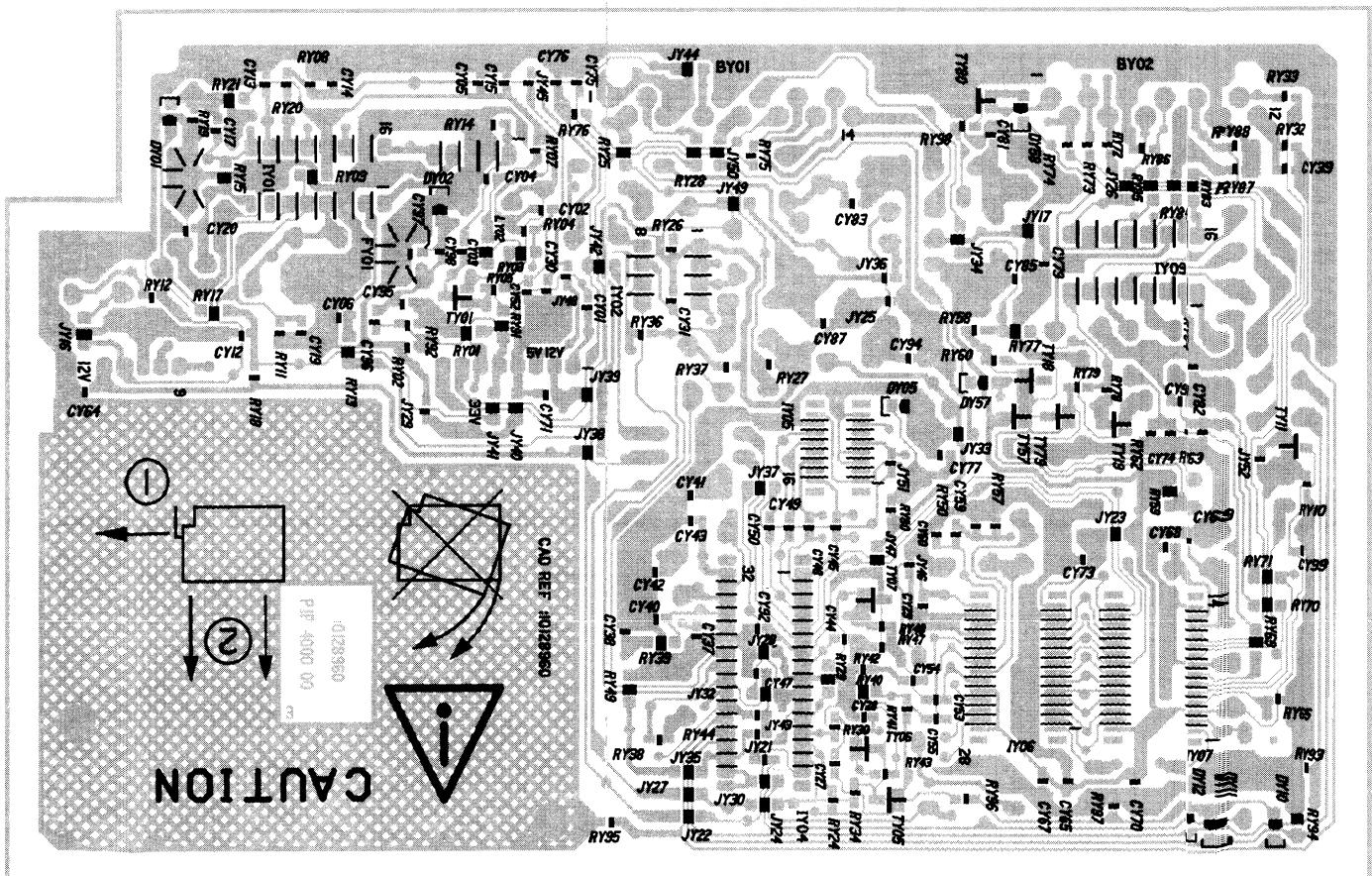
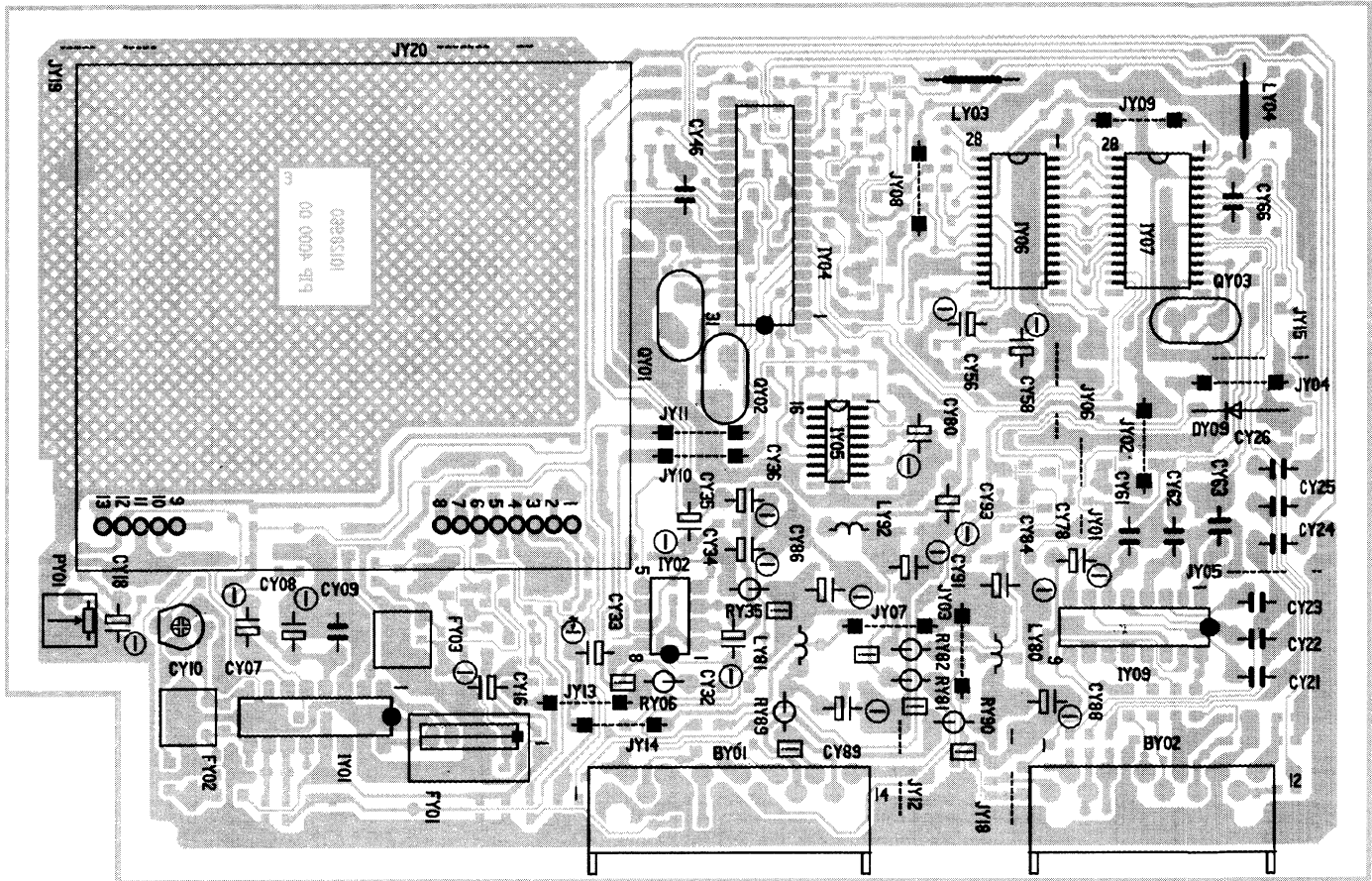


SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE



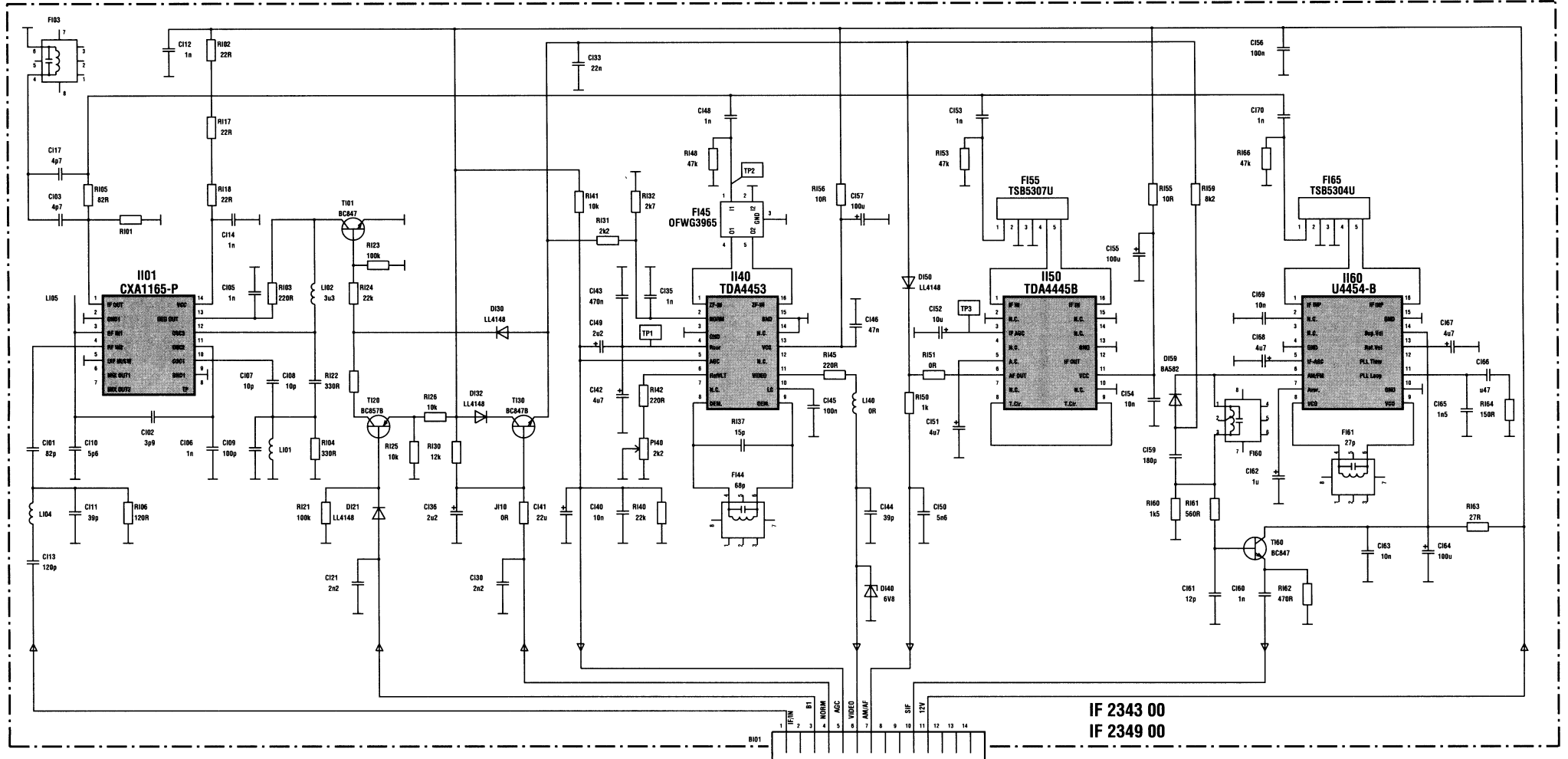






IF AMPLIFIER - AMPLIFICATEURS FI - ZF VERSTÄRKER - AMPLIFICATORE FI - AMPLIFICADOR FI

For information only



IF 2343 00
IF 2349 00

Ersatzteile · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio
Lista de piezas de recambio

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!
N.B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pièces de rechange, prière d'indiquer et tout cas le numéro de la pièce!
Importante: Ordinare sempre con il numero corrispondenti di codice!
Importante: Pedir siempre los recambios con el numero correspondiente codigo!

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		MOD./AUSTAUSCHTEILE:	EXCHANGE PARTS:	ECHANGE PLATINE:
AMDP4013	103.361.80	AM/DP4013 TON-MODUL	AM/DP4013 PCB SOUND	MA/DP4013 PLATINE
AMFM9111	102.502.40	AM/FM9111 TON-MODUL	AM/FM9111 PCB SOUND	MA/FI9111 PLATINE
AMFM9112	102.969.70	AM/FM9112 TON-MODUL	AM/FM9112 PCB SOUND	MA/FI9112 PLATINE
AMFM9110	103.713.10	AM/FM9110 11DM TON- MODUL	AM/FM9110 PCB SOUND	MA/FI9110 PLATINE
IF3342	102.575.50	IF3342 ZF-VERSTÄRKER V3	IF3342 UNIT	MF3342 UNITE
IF3343	102.892.50	IF3343 ZF-VERSTÄRKER V1	IF3343 UNIT	MF3343 UNITE
MTP4015F	202.576.50	MTP4015F TUNER VP	MTP4015F TUNER	MTP4015F TUNER
PIP4001	103.283.50	PIP4001 BILD IM BILD	PIP4001 PICTURE IN PICTURE	PIP4001 PLATINE
VM4001	102.624.20	VM4001DM VIDEO- U. TEXT MODUL	VM4001DM P.C.B., VIDEO	VM4001DM PLATINE VIDEO
VM4001	103.017.00	VM4001 VIDEO- U. TEXT MODUL	VM4001 P.C.B., VIDEO	VM4001 PLATINE VIDEO
VM4021	104.452.10	VM4021 11DM VIDEO- UTEXT MODUL	VM4021 P.C.B., VIDEO	VM4021 PLATINE VIDEO
		MOD./KEINAUSTAUSCH:	MODULES:	PLATINE:
SCI4000	101.319.80	SCI4000 LTP SCHNITTSTELLE	SCI4000 P.C.B. INTERFACE	PLATINE SCI4000
SCI4000	103.270.50	SCI4000 LTP SCHNITTSTELLE	SCI4000 P.C.B. INTERFACE	SCI4000 PLATINE
SCI4001	103.061.20	SCI4001 LTP SCHNITTSTELLE	SCI4001 P.C.B. INTERFACE	PLATINE SCI4001

Ersatzteile · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio
Lista de piezas de recambio

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Importante: Ordinare sempre con il numero corrispondenti di codice!
Importante: Pedir siempre los recambios con el numero correspondiente codigo!

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		CHASSIS-TEILE	CHASSIS PARTS	CHASSIS-PARTIE
BA005	101.512.40	Buchsen Lautsprecher	Speaker jack	Prise hautparleur
BL001	404.536.00	Stiftleiste 9polig US rot stehend	9 pin contact housing red	Culot a 9 broches rouge
BL002	604.307.76	Stiftleiste 5polig stehend	Contact strip 5-pole	Connecteur male 5 broches
BL003	604.583.90	Stiftleiste 3polig US rot stehend	Contact strip 3-pole red	Connecteur male 3 broches rouge
BL004	102.381.10	Halter Netzleitung (auf LTP.)	Holder	Support
BR002	671.383.10	Stiftleiste 12polig MICS 12 SW	Contact strip 12-pole black	Connecteur male 12 broches
BR004	704.498.10	Stiftleiste 3polig US grün stehend	3 pin contact housing green	Culot a 3 broches vert
BR005	671.379.10	Stiftleiste 4polig MICS4 SW	Contact strip 4-pole black	Connecteur male 4 broches
BR006	671.380.06	Stiftleiste 6polig MICS6 blau	Contact strip 6-pole blue	Connecteur male 6 broches bleu
BS001	905.819.20	Stiftleiste 12polig US stehend	12 pin contact housing	Culot a 12 broches
BS002	110.807.20	Stiftleiste 15polig US stehend	15 pin contact housing	Culot a 15 broches
BV001	508.884.30	Stiftleiste 20polig US	20 pin contact housing	Culot a 20 broches
BV002	508.884.30	Stiftleiste 20polig US	20 pin contact housing	Culot a 20 broches
BY001	110.787.10	Stiftleiste 14polig US	14 pin contact housing	Culot a 14 broches
BY002	905.819.20	Stiftleiste 12polig US stehend	12 pin contact housing	Culot a 12 broches
BZ001	906.172.60	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BZ003	671.380.09	Stiftleiste 6polig MICS6 SW	Contact strip 6-pole	Culot a 6 broches
BZ201	704.498.10	Stiftleiste 3polig US grün stehend	3 pin contact housing green	Culot a 3 broches vert
CL003	508.951.20	27N0F 250V 5% Filmkondensator	27N0F 250V 5% Film cap	27N0F 250V 5% Condensateur
CL004	103.429.80	2N7F 2KV 5% Filmkondensator	2N7F 2KV 5% Film cap	2N7F 2KV 5% Condensateur
CL004	103.634.10	3N3F 2KV 5% Filmkondensator	3N3F 2KV 5% Film cap	3N3F 2KV 5% Condensateur
CL004	130.712.70	1N9F 2K0V 5% PP Kondensator	1N9F 2K0V 5% PP cap	1N9F 2K0V 5% C PP
CL007	101.902.40	2U2F 250V Elko	2U2F 250V E cap	2U2F 250V CC
CL013	103.485.30	9N4F 2KV 2,5% Filmkondensator	9N4F 2KV 2,5% Film cap	9N4F 2KV 2,5% Condensateur
CL013	404.065.01	11,6nF 2KV 2,5% Filmkondensator	11,6nF 2KV Film cap	11,6nF 2KV Condensateur film
CL014	100.769.20	33NF 400V 5% Filmkondensator	33NF 400V 5% Film cap	33NF 400V 5% Condensateur
CL014	102.635.40	27N0F 400V 5% Filmkondensator	27N0F 400V 5% Film cap	27N0F 400V 5% Condensateur
CL015	101.807.80	410N0F 400V 5% Filmkondensator	410N0F 400V 5% Film cap	410N0F 400V 5% Condensateur
CL015	103.482.50	460NF 400V 5% Filmkondensator	460NF 400V 5% Film cap	460NF 400V 5% Condensateur
CL015	103.763.60	560N0F 250V 5% Filmkondensator	560N0F 250V 5% Film cap	560N0F 250V 5% Condensateur
CL015	103.792.20	300NF 400V 5% Filmkondensator	300NF 400V 5% Film cap	300NF 400V 5% Condensateur
CL017	433.246.00	12NF 400V KPS-Kondensator	12NF 400V 5% Film cap	12NF 400V 5% Condensateur
CL030	130.707.60	2U2F 160V Elko	2U2F 160V E cap	2U2F 160V CC
CL035	508.951.20	27N0F 250V 5% Filmkondensator	27N0F 250V 5% Film cap	27N0F 250V 5% Condensateur
CL040	101.390.00	680N0F 250V 5% Filmkondensator	680N0F 250V 5% Film cap	680N0F 250V 5% Condensateur film
CL040	430.443.00	470NF 250V 5% MKP-Kondensator	470NF 250V 5% MPoly cap	470NF 250V 5% C PP
CL040	803.058.00	22N0F 400V 5% Filmkondensator	22N0F 400V 5% Film cap	22N0F 400V 5% Condensateur film
CP026	140.352.80	100PF 1KV 20% Keramik-Kondensator	100PF 1KV 20% C cap	100PF 1KV 20% C ceramique
CP050	434.420.00	2N2F 400V 20% Keramik-Kondensator	2N2F 400V C cap	2N2F 400V C ceramique
CP058	203.387.40	1N5F 1KV 10% Keramik-Kondensator	1N5F 1KV 10% C cap	1N5F 1KV 10% C ceramique
CP060	140.352.70	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1KV 10% CC
CP061	433.254.00	2N2F 1KV 20% MP Kondensator	2N2F 1KV 20% MPoly cap	2N2F 1KV 20% C PP
CP062	434.248.00	150UF 385V Elko	150UF 385V E cap	150UF 385V CC
CP101	130.710.70	22U0F 250V 50% Elko	22U0F 250V 50% E Cap	22U0F 250V Condens. chimique
CP102	101.888.80	2N2F 400V 10% Filmkondensator	2N2F 400V 10% Film cap	2N2F 400V 10% Condensateur
CP103	102.441.20	100UF 200V 20% Elko	100UF 200V 20% E cap	100UF 200V 20% CC
CP104	140.023.40	470PF 400V 10% Keramik-Kondensator	470PF 400V 10% C cap	470PF 400V 10% C ceramique
CP105	101.888.70	1N0F 400V 10% Filmkondensator	1N0F 400V 10% Film cap	1N0F 400V 10% Condensateur
CP106	140.023.40	470PF 400V 10% Keramik-Kondensator	470PF 400V 10% C cap	470PF 400V 10% C ceramique
CP115	140.023.40	470PF 400V 10% Keramik-Kondensator	470PF 400V 10% C cap	470PF 400V 10% C ceramique

Ersatzteile ·
Lista de pieza

Wichtig: Bei Er
N.B.: When
Important: Lors
Importante: Ordin
Importante: Pedir

Pos.	Art.-Nr Part No. Code
DA001	160.124.5
DF001	110.707.8
DF002	101.550.3
DF003	101.550.3
DF004	160.124.5
DH001	110.736.9
DL001	160.124.5
DL003	160.124.5
DL005	160.124.5
DL006	440.444.0
DL007	160.124.5
DL008	160.081.2
DL009	102.728.0
DL010	102.728.0
DL012	102.765.5
DL012	102.942.2
DL012	160.092.4
DL013	102.765.5
DL013	102.942.2
DL013	160.086.9
DL014	110.734.4
DL014	508.906.0
DL015	101.300.9
DL016	101.300.9
DL017	704.377.2
DL018	440.092.2
DL019	160.124.5
DL020	160.086.9
DL022	804.441.1
DL023	160.124.5
DL024	704.383.3
DL025	160.125.5
DL026	160.124.5
DL027	160.086.9
DP016	160.081.1
DP017	160.081.1
DP018	160.081.1
DP019	804.441.1
DP021	309.486.0
DP023	160.124.5
DP024	160.124.5
DP025	160.124.5
DP026	101.300.9
DP028	101.300.9
DP029	110.736.9
DP030	160.124.5
DP031	804.440.0
DP032	440.092.2
DP033	160.124.5
DP034	440.092.2
DP041	101.300.9
DP046	160.124.5
DP052	160.124.5
DP053	160.124.5
DP055	160.124.5
DP061	160.095.0
DP062	160.081.1
DP063	160.081.1

Ersatzteile · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio
Lista de piezas de recambio

E PLATINE:

PLATINE

PLATINE

PLATINE

PLATINE

ITE

ITE

TUNER

PLATINE

PLATINE VIDEO

PLATINE VIDEO

PLATINE VIDEO

CI4000

PLATINE

CI4001

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		CHASSIS-TEILE	CHASSIS PARTS	CHASSIS-PARTIE
BA005	101.512.40	Buchsen Lautsprecher	Speaker jack	Prise hautparleur
BL001	404.536.00	Stiftleiste 9polig US rot stehend	9 pin contact housing red	Culot a 9 broches rouge
BL002	604.307.76	Stiftleiste 5polig stehend	Contact strip 5-pole	Connecteur male 5 broches
BL003	604.583.90	Stiftleiste 3polig US rot stehend	Contact strip 3-pole red	Connecteur male 3 broches rouge
BL004	102.381.10	Halter Netzleitung (auf LTP.)	Holder	Support
BR002	671.383.10	Stiftleiste 12polig MICS 12 SW	Contact strip 12-pole black	Connecteur male 12 broches
BR004	704.498.10	Stiftleiste 3polig US grün stehend	3 pin contact housing green	Culot a 3 broches vert
BR005	671.379.10	Stiftleiste 4polig MICS4 SW	Contact strip 4-pole black	Connecteur male 4 broches
BR006	671.380.06	Stiftleiste 6polig MICS6 blau	Contact strip 6-pole blue	Connecteur male 6 broches bleu
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BS002	110.807.20	Stiftleiste 15polig US stehend	15 pin contact housing	Culot a 15 broches
BV001	508.884.30	Stiftleiste 20polig US	20 pin contact housing	Culot a 20 broches
BV002	508.884.30	Stiftleiste 20polig US	20 pin contact housing	Culot a 20 broches
BY001	110.787.10	Stiftleiste 14polig US	14 pin contact housing	Culot a 14 broches
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BZ001	906.172.60	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BZ003	671.380.09	Stiftleiste 6polig MICS6 SW	Contact strip 6-pole	Culot a 6 broches
BZ201	704.498.10	Stiftleiste 3polig US grün stehend	3 pin contact housing green	Culot a 3 broches vert
CL003	508.951.20	27N0F 250V 5% Filmkondensator	27N0F 250V 5% Film cap	27N0F 250V 5% Condensateur
CL004	103.429.80	2N7F 2KV 5% Filmkondensator	2N7F 2KV 5% Film cap	2N7F 2KV 5% Condensateur
CL004	103.634.10	3N3F 2KV 5% Filmkondensator	3N3F 2KV 5% Film cap	3N3F 2KV 5% Condensateur
CL004	130.712.70	1N9F 2K0V 5% PP Kondensator	1N9F 2K0V 5% PP cap	1N9F 2K0V 5% C PP
CL007	101.902.40	2U2F 250V Elko	2U2F 250V E cap	2U2F 250V CC
CL013	103.485.30	9N4F 2KV 2,5% Filmkondensator	9N4F 2KV 2,5% Film cap	9N4F 2KV 2,5% Condensateur
CL013	404.065.01	11,6nF 2KV 2,5% Filmkondensator	11,6nF 2KV Film cap	11,6nF 2KV Condensateur film
CL014	100.769.20	33NF 400V 5% Filmkondensator	33NF 400V 5% Film cap	33NF 400V 5% Condensateur
CL014	102.635.40	27N0F 400V 5% Filmkondensator	27N0F 400V 5% Film cap	27N0F 400V 5% Condensateur
CL015	101.807.80	410N0F 400V 5% Filmkondensator	410N0F 400V 5% Film cap	410N0F 400V 5% Condensateur
CL015	103.482.50	460NF 400V 5% Filmkondensator	460NF 400V 5% Film cap	460NF 400V 5% Condensateur
CL015	103.763.60	560N0F 250V 5% Filmkondensator	560N0F 250V 5% Film cap	560N0F 250V 5% Condensateur
CL015	103.792.20	300NF 400V 5% Filmkondensator	300NF 400V 5% Film cap	300NF 400V 5% Condensateur
CL017	433.246.00	12NF 400V KPS-Kondensator	12NF 400V 5% Film cap	12NF 400V 5% Condensateur
CL030	130.707.60	2U2F 160V Elko	2U2F 160V E cap	2U2F 160V CC
CL035	508.951.20	27N0F 250V 5% Filmkondensator	27N0F 250V 5% Film cap	27N0F 250V 5% Condensateur
CL040	101.390.00	680N0F 250V 5% Filmkondensator	680N0F 250V 5% Film cap	680N0F 250V 5% Condensateur film
CL040	430.443.00	470NF 250V 5% MKP-Kondensator	470NF 250V 5% MPoly cap	470NF 250V 5% C PP
CL040	803.058.00	22N0F 400V 5% Filmkondensator	22N0F 400V 5% Film cap	22N0F 400V 5% Condensateur film
CP026	140.352.80	100PF 1KV 20% Keramik-Kondensator	100PF 1KV 20% C cap	100PF 1kv 20% C ceramique
CP050	434.420.00	2N2F 400V 20% Keramik-Kondensator	2N2F 400V C cap	2N2F 400V C ceramique
CP058	203.387.40	1N5F 1KV 10% Keramik-Kondensator	1N5F 1KV 10% C cap	1N5F 1KV 10% C ceramique
CP060	140.352.70	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1kv 10% CC
CP061	433.254.00	2N2F 1KV 20% MP Kondensator	2N2F 1KV 20% MPoly cap	2N2F 1KV 20% C PP
CP062	434.248.00	150UF 385V Elko	150UF 385V E cap	150UF 385V CC
CP101	130.710.70	22U0F 250V 50% Elko	22U0F 250V 50% E Cap	22U0F 250V Condens. chimique
CP102	101.888.80	2N2F 400V 10% Filmkondensator	2N2F 400V 10% Film cap	2N2F 400V 10% Condensateur
CP103	102.441.20	100UF 200V 20% Elko	100UF 200V 20% E cap	100UF 200V 20% CC
CP104	140.023.40	470PF 400V 10% Keramik-Kondensator	470PF 400V 10% C cap	470PF 400V 10% C ceramique
CP105	101.888.70	1N0F 400V 10% Filmkondensator	1N0F 400V 10% Film cap	1N0F 400V 10% Condensateur
CP106	140.023.40	470PF 400V 10% Keramik-Kondensator	470PF 400V 10% C cap	470PF 400V 10% C ceramique
CP115	140.023.40	470PF 400V 10% Keramik-Kondensator	470PF 400V 10% C cap	470PF 400V 10% C ceramique

Ersatzteile · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio
Lista de piezas de recambio

Wichtig: Bei Ersatzteilbestellungen bitte unbedingt die entsprechende Bestellnummer angeben!
N.B.: When demanding Spare Parts it is absolutely necessary to quote the corresponding part number!
Important: Lors d'une commande de pièces de rechange, prière d'indiquer et tout cas le numéro de la pièce!
Importante: Ordinare sempre con il numero corrispondenti di codice!
Importante: Pedir siempre los recambios con el numero correspondiente codigo!

Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DP064	160.081.60	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP066	160.081.20	BA159 Diode	BA159 Diode	BA159 Diode
DP067	160.081.20	BA159 Diode	BA159 Diode	BA159 Diode
DP068	160.081.20	BA159 Diode	BA159 Diode	BA159 Diode
DP080	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP084	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DP086	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DP101	160.081.20	BA159 Diode	BA159 Diode	BA159 Diode
DP102	160.081.20	BA159 Diode	BA159 Diode	BA159 Diode
DP103	102.981.60	RGP50M Diode	RGP50M Diode	RGP50M Diode
DP104	103.602.80	MUR1100 Diode	MUR1100 Diode	MUR1100 Diode
DP106	160.081.20	BA159 Diode	BA159 Diode	BA159 Diode
DP107	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DP108	102.548.30	Montageclip	Clip metal	Agrafe
DP108	160.091.40	BYW29-150 Diode	BYW29-150 Diode	BYW29-150 Diode
DP109	160.091.40	BYW29-150 Diode	BYW29-150 Diode	BYW29-150 Diode
DP109	610.424.00	Silikonscheibe	Silicon plate	Rondelle silicone
DP115	160.081.60	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP116	102.942.20	Montageclip 3	Clip 3	Agrafe 3
DP116	160.091.40	BYW29-150 Diode	BYW29-150 Diode	BYW29-150 Diode
DP117	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP118	103.405.10	SB360 Diode	SB360 Diode	SB360 Diode
DP121	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP122	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP124	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP126	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP127	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP128	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP136	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP138	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP139	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP140	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP141	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP142	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP147	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP148	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP149	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP153	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP154	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP155	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP160	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP162	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP163	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR001	704.382.00	ZPD5,6 0,5W 2% Z-Diode	ZPD5,6 0,5W 2% Z-Diode	ZPD5,6 0,5W 2% Z-Diode
DR002	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DZ019	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DZ020	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DZ031	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DZ034	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DZ043	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DZ044	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DZ071	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DZ200	160.125.30	LL42 Diode SMD	LL42 Diode SMD	LL42 Diode SMD
DZ201	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
IA001	102.548.30	Montageclip	Clip metal	Agrafe
IA001	110.906.90	TDA2052 IC	TDA2052 IC	TDA2052 CI
IA002	110.906.90	TDA2052 IC	TDA2052 IC	TDA2052 CI

Ersatzteile · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio
Lista de piezas de recambio

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
IF001	102.130.70	TL082BCN IC	TL082CP IC	TL082CP CI
IF002	101.760.50	STV9379F IC	STV9379F IC	STV9379F IC
IF002	102.548.30	Montageclip	Clip metal	Agrafe
IF002	102.765.50	Silikonscheibe	Silicon plate	Rondelle silicone
IL001	101.473.20	TDA9151B/N3C IC	TDA9151B/N3C IC	TDA9151B/N3C CI
IP060	905.424.70	TEA2261 IC	TEA2261 IC	TEA2261 CI
IP116	102.548.30	Montageclip	Clip metal	Agrafe
IP116	102.962.10	L7812ACV IC	L7812ACV IC	L7812ACV CI
IP116	601.186.00	L4940/V12 IC	L4940/V12 IC	L4940/V12 CI
IP117	102.548.30	Montageclip	Clip metal	Agrafe
IP117	704.014.02	AN7809/MC7809 IC	AN7809/MC7809 IC	AN7809/MC7809 IC
IP118	102.548.30	Montageclip	Clip metal	Agrafe
IP118	103.418.50	L4940V5 IC	L4940V5 IC	L4940V5 CI
IP118	460.074.00	MC7805/ACT 2% IC	MC7805/ACT 2% IC	MC7805/ACT 2% CI
IP120	904.383.00	TEA5170 IC	TEA5170 IC	TEA5170 CI
IP160	460.699.00	LM393 IC	LM393 IC	LM393 CI
IR001	101.161.30	ST90R91BC1 IC	ST90R91BC1 IC	ST90R91BC1 CI
IR001	676.269.00	68polig IC-Fassung	68pole IC socket	68voies Support CI
IR002	102.272.80	M27C4001-120XF1 IC UNPROG.	M27C4001-120XF1 IC	M27C4001-120XF1 CI
IR002	804.077.71	32polig IC-Fassung	IC socket 32pole	Support CI 32 voies
IR003	100.971.00	ST24C16C/B UNPROG.	ST24C16C/B IC	ST24C16C/B CI
IR004	460.347.00	MC14094/BCP IC	MC14094/BCP IC	MC14094/BCP CI
IR006	460.252.00	UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI
IZ001	100.993.00	TEA6417B IC	TEA6417B IC	TEA6417B CI
IZ200	101.288.60	TEA6422 IC	TEA6422 IC	TEA6422 CI
LH003	130.510.90	12U0H Drossel	12U0H 10% Choke coil	12U0H 10% Self
LL001	101.479.40	Impulsübertrager	Pulse transformer	Transformateur d'impulsions
LL002	101.532.70	Kombi-Spule	Combi coil	Bobine
LL003	101.532.50 S	3U7H Spule H-Linearität	3U7H H-Linearity coil	3U7H Bobine linearite
LL003	101.532.60 S	4U2H Spule H-Linearität	4U2H H-Linearity coil	4U2H Bobine linearite
LL003	103.839.60 S	9UH Spule H-Linearität	9UH H-Linearity coil	9UH Bobine linearite
LL004	101.542.70 S	130U0H 5% Drossel	130U0H 5% Choke coil	130U0H 5% Self
LL004	103.476.50 S	4MI0H 10% Drossel Ost-West-Spule	4MI0H 10% Choke coil E.-W.-Coil	4MI0H 10% Self
LL004	103.485.40 S	110U0H 5% Drossel	110U0H 5% Choke coil	110U0H 5% Self
LL008	103.401.60 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.401.70 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.401.80 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.401.90 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.402.10 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL009	204.720.80	22UH Spule	22UH Coil	22UH Bobine
LL010	103.476.60	Transformator Ost-West	Transformer East-West	Transformateur
LP020	101.451.70 S	Trafo Schaltnetzteil SMT1	Switched mode power transformer	Transformateur d'alimentation
LP060	103.320.90 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP060	103.321.20 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP060	103.321.30 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP060	103.321.50 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP071	130.792.00	4U0H 10% Drossel	4U0H 10% Choke coil	4U0H 10% Self
LP080	604.120.91 S	Treibertransformator	Driver transformer	Transformateur
LP102	204.390.00	300U0H Drossel	300U0H Choke coil	300U0H Self
LR002	103.730.60	390NH Spule SMD	390NH Coil SMD	390NH Bobine SMD
LR003	140.377.70	10UH 10% LF-SMD	10UH 10% Coil SMD	10UH 10% Bobine SMD
LR004	103.730.60	390NH Spule SMD	390NH Coil SMD	390NH Bobine SMD
PP120	102.603.50	470R Trimmwiderstand liegend	470R Trimmer resistor	470R Resistance ajustable

Ersatzteile · S
Lista de piezas

Wichtig: Bei Ers
N.B.: When d
Important: Lors d'u
Importante: Ordinar
Importante: Pedir si

Pos.	Art.-Nr Part No. Code	
QR001	101.191.40	
RA013	102.263.10	
RA014	102.263.10	
RF001	130.108.20	
RF003	150.193.30	
RF004	130.639.50	
RF010	150.172.60	
RF010	411.051.01	
RF011	130.639.60	
RF013	130.108.20	
RH012	150.098.70	
RH013	150.097.30	
RH020	130.468.20	
RL010	150.208.00	
RL026	101.477.40	
RL026	102.072.90	
RL026	102.242.50	
RL026	102.243.20	
RL026	104.037.10	
RL028	130.002.30	
RL029	100.094.20	
RL036	204.700.40	
RL038	150.226.00	
RL038	150.226.50	
RL056	102.332.20	
RP015	102.300.30	
RP050	100.743.20	
RP056	150.095.80	
RP061	100.094.20	
RP073	101.457.90	
RP102	130.575.80	
RP107	130.007.80	
RZ011	150.095.80	
RZ013	150.095.80	
RZ015	150.095.80	
RZ017	150.095.80	
RZ019	150.096.30	
RZ073	150.182.30	
RZ076	150.210.00	
TA001	309.466.60	
TF001	102.548.30	
TF001	102.765.50	
TF001	160.018.80	
TF002	102.548.30	
TF002	102.765.50	
TF002	160.019.40	
TF003	160.063.30	
TH001	450.617.85	
TH004	160.063.30	
TH005	450.617.85	
TH006	160.063.30	

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
IF001	102.130.70	TL082BCN IC	TL082CP IC	TL082CP CI
IF002	101.760.50	STV9379F IC	STV9379F IC	STV9379F IC
IF002	102.548.30	Montageclip	Clip metal	Agrafe
IF002	102.765.50	Silikonscheibe	Silicon plate	Rondelle silicone
IL001	101.473.20	TDA9151B/N3C IC	TDA9151B/N3C IC	TDA9151B/N3C CI
IP060	905.424.70	TEA2261 IC	TEA2261 IC	TEA2261 CI
IP116	102.548.30	Montageclip	Clip metal	Agrafe
IP116	102.962.10	L7812ACV IC	L7812ACV IC	L7812ACV CI
IP116	601.186.00	L4940/V12 IC	L4940/V12 IC	L4940/V12 CI
IP117	102.548.30	Montageclip	Clip metal	Agrafe
IP117	704.014.02	AN7809/MC7809 IC	AN7809/MC7809 IC	AN7809/MC7809 IC
IP118	102.548.30	Montageclip	Clip metal	Agrafe
IP118	103.418.50	L4940V5 IC	L4940V5 IC	L4940V5 CI
IP118	460.074.00	MC7805/ACT 2% IC	MC7805/ACT 2% IC	MC7805/ACT 2% CI
IP120	904.383.00	TEA5170 IC	TEA5170 IC	TEA5170 CI
IP160	460.699.00	LM393 IC	LM393 IC	LM393 CI
IR001	101.161.30	ST90R91BC1 IC	ST90R91BC1 IC	ST90R91BC1 CI
IR001	676.269.00	68polig IC-Fassung	68pole IC socket	68voies Support CI
IR002	102.272.80	M27C4001-120XF1 IC UNPROG.	M27C4001-120XF1 IC	M27C4001-120XF1 CI
IR002	804.077.71	32polig IC-Fassung	IC socket 32pole	Support CI 32 voies
IR003	100.971.00	ST24C16C/B UNPROG.	ST24C16C/B IC	ST24C16C/B CI
IR004	460.347.00	MC14094/BCP IC	MC14094/BCP IC	MC14094/BCP CI
IR006	460.252.00	UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI
IZ001	100.993.00	TEA6417B IC	TEA6417B IC	TEA6417B CI
IZ200	101.288.60	TEA6422 IC	TEA6422 IC	TEA6422 CI
LH003	130.510.90	12U0H Drossel	12U0H 10% Choke coil	12U0H 10% Self
LL001	101.479.40	Impulsübertrager	Pulse transformer	Transformateur d'impulsions
LL002	101.532.70	Kombi-Spule	Combi coil	Bobine
LL003	101.532.50 S	3U7H Spule H-Linearity	3U7H H-Linearity coil	3U7H Bobine linearite
LL003	101.532.60 S	4U2H Spule H-Linearity	4U2H H-Linearity coil	4U2H Bobine linearite
LL003	103.839.60 S	9UH Spule H-Linearity	9UH H-Linearity coil	9UH Bobine linearite
LL004	101.542.70 S	130U0H 5% Drossel	130U0H 5% Choke coil	130U0H 5% Self
LL004	103.476.50 S	4MI0H 10% Drossel Ost-West-Spule	4MI0H 10% Choke coil E.-W.-Coil	4MI0H 10% Self
LL004	103.485.40 S	110U0H 5% Drossel	110U0H 5% Choke coil	110U0H 5% Self
LL008	103.401.60 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.401.70 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.401.80 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.401.90 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL008	103.402.10 S	Diodensplit-Trafo GDS35	Diode split transformer	Transformateur THT
LL009	204.720.80	22UH Spule	22UH Coil	22UH Bobine
LL010	103.476.60	Transformator Ost-West	Transformer East-West	Transformateur
LP020	101.451.70 S	Trafo Schaltnetzteil SMT1	Switched mode power transformer	Transformateur d'alimentation
LP060	103.320.90 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP060	103.321.20 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP060	103.321.30 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP060	103.321.50 S	Trafo Schaltnetzteil SMT89	Switched mode power transformer	Transformateur d'alimentation
LP071	130.792.00	4U0H 10% Drossel	4U0H 10% Choke coil	4U0H 10% Self
LP080	604.120.91 S	Treibertransformator	Driver transformer	Transformateur
LP102	204.390.00	300U0H Drossel	300U0H Choke coil	300U0H Self
LR002	103.730.60	390NH Spule SMD	390NH Coil SMD	390NH Bobine SMD
LR003	140.377.70	10U0H 10% LF-SMD	10UH 10% Coil SMD	10UH 10% Bobine SMD
LR004	103.730.60	390NH Spule SMD	390NH Coil SMD	390NH Bobine SMD
PP120	102.603.50	470R Trimmwiderstand liegend	470R Trimmer resistor	470R Resistance ajustable

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
QR001	101.191.40	22M0HZ Quarz	22M0HZ Crystal	22M0HZ Quartz
RA013	102.263.10 S	4R7 0,5W 5% Sicherheitswiderstand	4R7 0,5W 5% Fusible resistor	4R7 0,5W 5% Résistance fusible
RA014	102.263.10 S	4R7 0,5W 5% Sicherheitswiderstand	4R7 0,5W 5% Fusible resistor	4R7 0,5W 5% Résistance fusible
RF001	130.108.20	1R21 0,7W 1% Metallfilmwiderstand	1R21 0,7W 1% Metal film resistor	1R21 0,7W 1% Resistance metall.
RF003	150.193.30	562R0 0,4W 1% Metallfilmwiderstand	562R0 0,4W 1% Metal film resistor	562R0 0,4W 1% Resistance metall.
RF004	130.639.50 S	1R5 0,3W 5% Sicherheitswiderstand	1R5 0,3W 5% Fusible resistor	1R5 0,3W 5% Résistance fusible
RF010	150.172.60	3K3R 0,4W 2% Metallfilmwiderstand	3K3R 0,4W 2% Metal film resistor	3K3R 0,4W 2% Resistance metall.
RF010	411.051.01	1KR 0,4W 2% Metallfilmwiderstand	1KR 0,4W 2% Metal film resistor	1KR 0,4W 2% Resistance metall.
RF011	130.639.60	330K 0,25W 1% Metallfilmwiderstand	330K 0,25W 1% Metal film resistor	330K 0,25W 1% Resistance metall.
RF013	130.108.20	1R21 0,7W 1% Metallfilmwiderstand	1R21 0,7W 1% Metal film resistor	1R21 0,7W 1% Resistance metall.
RH012	150.098.70 S	2R2 0,3W 5% Sicherheitswiderstand	2R2 0,3W 5% Fusible resistor	2R2 0,3W 5% Résistance fusible
RH013	150.097.30 S	1R 0,3W 5% Sicherheitswiderstand	1R 0,3W 5% Fusible resistor	1R 0,3W 5% Résistance fusible
RH020	130.468.20	1K2R 0,4W 2% Metallfilmwiderstand	1K2R 0,4W 2% Metal film resistor	1K2R 0,4W 2% Resistance metall.
RL010	150.208.00	71K5 0,25W 1% Metallfilmwiderstand	71K5 0,25W 1% Metal film resistor	71K5 0,25W 1% Resistance metall.
RL026	101.477.40	68K1R 0,7W 1% Metallfilmwiderstand	68K1R 0,7W 1% Metal film resistor	68K1R 0,7W 1% Resistance metall.
RL026	102.072.90	52K3 0,7W 1% Metallfilmwiderstand	52K3 0,7W 1% Metal film resistor	52K3 0,7W 1% Resistance metall.
RL026	102.242.50	51K1R 0,7W 1% Metallfilmwiderstand	51K1R 0,7W 1% Metal film resistor	51K1R 0,7W 1% Resistance metall.
RL026	102.243.20	54K9 0,7W 1% Metallfilmwiderstand	54K9 0,7W 1% Metal film resistor	54K9 0,7W 1% Resistance metall.
RL026	104.037.10	46K4R 0,7W 1% Metallfilmwiderstand	46K4R 0,7W 1% Metal film resistor	46K4R 0,7W 1% Resistance metall.
RL028	130.002.30 S	1K5R 0,7W 5% Sicherheitswiderstand	1K5R 0,7W 5% Fusible resistor	1K5R 0,7W 5% Résistance fusible
RL029	100.094.20	270R 10W 10% Drahtwiderstand	270R 10W 10% Wire resistor	270R 10W 10% Resistance bobine
RL036	204.700.40	1KR 0,25W 1% Metallfilmwiderstand	1KR 0,25W 1% Metal film resistor	1KR 0,25W 1% Resistance metall.
RL038	150.226.00 S	R270 0,4W 10% Sicherheitswiderstand	R270 0,4W 10% Fusible resistor	R270 0,4W 10% Resistance fusible
RL038	150.226.50 S	R470 0,4W 10% Sicherheitswiderstand	R470 0,4W 10% Fusible resistor	R470 0,4W 10% Resistance fusible
RL056	102.332.20	47R 0,5W 5% Widerstand	47R 0,5W 5% Resistor agglom.	47R 0,5W 5% Resistance
RP015	102.300.30	100R 0,75W 5% Drahtwiderstand	100R 0,75W 5% Wire resistor	100R 0,75W 5% Resistance bobine
RP050	100.743.20	10M 0,7W 5% Schichtwiderstand	10M 0,7W 5% Film resistor	10M 0,7W 5% Resistance a couche
RP056	150.095.80 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RP061	100.094.20	270R 10W 10% Drahtwiderstand	270R 10W 10% Wire resistor	270R 10W 10% Resistance bobine
RP073	101.457.90	10R 3W 5% Drahtwiderstand	10R 3W 5% Wire resistor	10R 3W 5% Resistance bobine
RP102	130.575.80	4K7 2W 5% Metalloxidwiderstand	4K7 2W 5% Metal oxide resistor	4K7 2W 5% Resistance metallique
RP107	130.007.80 S	0R68 0,3W 5% Sicherheitswiderstand	0R68 0,3W 5% Fusible resistor	0R68 0,3W 5% Résistance fusible
RZ011	150.095.80 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RZ013	150.095.80 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RZ015	150.095.80 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RZ017	150.095.80 S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RZ019	150.096.30 S	15R 0,3W 5% Sicherheitswiderstand	15R 0,3W 5% Fusible resistor	15R 0,3W 5% Résistance fusible
RZ073	150.182.30	464R 0,4W 1% Metallfilmwiderstand	464R 0,4W 1% Metal film resistor	464R 0,4W 1% Resistance metall.
RZ076	150.210.00	75R 0,4W 1% Metallfilmwiderstand	75R 0,4W 1% Metal film resistor	75R 0,4W 1% Resistance metall.
TA001	309.466.60	BC857B Transistor SMD	BC857B Transistor	BC857B Transistor
TF001	102.548.30	Montageclip	Clip metal	Agrafe
TF001	102.765.50	Silikonscheibe	Silicon plate	Rondelle silicone
TF001	160.018.80	BD241C Transistor	BD241C Transistor	BD241C Transistor
TF002	102.548.30	Montageclip	Clip metal	Agrafe
TF002	102.765.50	Silikonscheibe	Silicon plate	Rondelle silicone
TF002	160.019.40	BD242C Transistor	BD242C Transistor	BD242C Transistor
TF003	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TH001	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TH004	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TH005	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TH006	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor

Ersatzteile · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio
Lista de piezas de recambio

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
TL001	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL002	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL003	102.765.50	Silikonscheibe	Silicon plate	Rondelle silicone
TL003	102.942.20	Montageclip 3	Clip 3	Agrafe 3
TL003	160.019.20	BD242 Transistor	BD242 Transistor	BD242 Transistor
TL004	102.505.50	ON4914 Transistor	ON4914 Transistor	ON4914 Transistor
TL004	102.548.30	Montageclip	Clip metal	Agrafe
TL004	502.814.00	Silikonscheibe	Silicon plate	Rondelle silicone
TL005	160.013.40	MPS750 Transistor	MPS750 Transistor	MPS750 Transistor
TL006	704.365.20	MPSW01A Transistor	MPSW01A Transistor	MPSW01A Transistor
TL007	160.062.30	BC817-16 Transistor	BC817-16 Transistor	BC817-16 Transistor
TL008	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TL009	704.012.05	BC817-25 Transistor SMD	BC817-25 Transistor	BC817-25 Transistor
TP020	160.046.10	BUT11AF Transistor	BUT11AF Transistor	BUT11AF Transistor
TP021	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP023	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP026	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP051	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TP060	102.243.70	BUL810TH Transistor	BUL810TH Transistor	BUL810TH Transistor
TP060	102.548.30	Montageclip	Clip metal	Agrafe
TP060	502.814.00	Silikonscheibe	Silicon plate	Rondelle silicone
TP121	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP122	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP131	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TP132	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP134	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP136	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP144	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP150	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TP151	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TR001	160.063.00	BC848C Transistor SMD	BC848C Transistor SMD	BC848C Transistor SMD
TR002	160.063.00	BC848C Transistor SMD	BC848C Transistor SMD	BC848C Transistor SMD
TR003	160.063.00	BC848C Transistor SMD	BC848C Transistor SMD	BC848C Transistor SMD
TR005	160.063.00	BC848C Transistor SMD	BC848C Transistor SMD	BC848C Transistor SMD
TX001	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TX005	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TZ001	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TZ002	160.008.50	BC546B Transistor	BC546B Transistor	BC546B Transistor
TZ003	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TZ004	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TZ005	160.008.50	BC546B Transistor	BC546B Transistor	BC546B Transistor
TZ006	160.008.50	BC546B Transistor	BC546B Transistor	BC546B Transistor
TZ007	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TZ008	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TZ061	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
TZ062	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TZ063	160.063.30	BC858B Transistor SMD	BC858B Transistor	BC858B Transistor
TZ064	450.617.85	BC848B Transistor SMD	BC848B Transistor	BC848B Transistor
-	101.413.30	Modulhalter VM	Module holder	Support plastique
-	101.458.30	Halter TP060	Holder	Support
-	102.231.70	Modulhalter AM/FM	Module holder	Support plastique
-	102.845.50	Halter Sub	Holder Sub	Support Sub
-	103.011.70	Modulhalter Dolby	Module holder	Support plastique

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		SUB VPROT 4000	SUB VPROT 4000	SUB VPROT 4000
SUB RF008	102.840.10	SUB VPROT 4000	SUB VPROT 4000	SUB VPROT 4000
DF100	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DF101	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
RF108	101.624.20	Widerstandsnetzwerk X 4	Resistor network X 4	Ens. resistif X 4
TF100	160.011.10	BC558B Transistor	BC558B Transistor	BC558B Transistor
		SUB SAT 4001	SUB SAT 4001	SUB SAT 4001
SUB SAT	102.495.40	SUB SAT 4001	SUB SAT 4001	SUB SAT 4001
BX06	671.380.15	Stiftleiste 6polig rot	Contact strip 6-pole red	Connecteur male 6 broches rouge
DX80	804.441.60	ZPD10 0,5W Z-Diode 2%	ZPD10 0,5W Z-Diode 2%	ZPD10 0,5W Z-Diode 2%
DX81	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
IX80	460.067.00	MC14053B/HEF4053B IC	MC14053B/HEF4053B IC	MC14053B/HEF4053B CI
RX80	150.100.20 S	4R7 0,3W 5% Sicherheitswiderstand	4R7 0,3W 5% Fusible resistor	4R7 0,3W 5% Résistance fusible
RX82	150.185.80	4K12R 0,4W 1% Metallfilmwiderstand	4K12R 0,4W 1% Metal film resistor	4K12R 0,4W 1% Resistance metall.
RX83	150.186.20	4K32R 0,4W 1% Metallfilmwiderstand	4K32R 0,4W 1% Metal film resistor	4K32R 0,4W 1% Resistance metall.
TX80	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor

LIST OF ABBREVIATIONS - LISTE DES ABREVIATIONS - ABKÜRZUNGEN
LISTA DELLE ABBREVIAZIONI - LISTA DE ABREVIACIONES

● BCL	BEAM CURRENT INFORMATION	● LDFL	LINE LOCKED CLOCK 27 MHz
● BG INFO	SWITCH BG	● LDR	LED DISPLAY
● BLK	BLANKING	● NORM T1	SWITCH B1
● B-SC/PIP	BLUE SIGNAL FROM SCART/PIP	● M-RESET	MAIN RESET TO MICROPROCESSOR
● CVBS.T1	COMPOSITE VIDEO BASEBAND SIGNAL TH001	● PLL-ON	ENABLE DEFLECTION PLL
● C.FC	CHROMA. CAMCORDER	● PROT	PROTECTION INPUT OF THE TDA9151
● C-IN	CHROMA INPUT FROM SCART SWITCH	● R-SC/PIP	RED SIGNAL FROM SCART/PIP
● C-PIP	CHROMA INPUT FROM PIP	● SIF	SOUND IF TERRESTRIAL 10 BH002
● C-TV	CHROMA MAIN PICTURE	● SK	SPOT KILLER TO DEFLECTION PART
● DEGAUSS	DEGAUSS SIGNAL	● STB-LED	STANDBY LED SWITCH LINE
● DRV	HORIZONTAL SUPPLY	● T1.AM-AF	AM-AF OUT
● DSC	DIGITAL SANDCASTLE FROM TDA 9151	● T1.CVBS	COMPOSITE VIDEO BASEBAND SIGNAL 6 BH002
● E.W.	EAST - WEST DRIVE OUTPUT	● U-PIP	U INPUT FROM PIP
● FB DETEC	FAST BLANKING DETECT	● VA	VERTICAL REFERENCE OUT FROM TDA 9141
● FB-PIP	FASTBLANK SIGNAL FROM PIP	● VA-PIP	VERTICAL SYNC OUTPUT FOR PIP
● FB-SC/PIP	FAST BLANKING SIGNAL FROM PIP/SCART	● VDFL	VERTICAL SYNC. OUT
● FOC	VERTICAL FOCUS	● V-PIP	V INPUT FROM PIP
● FOCUS	FOCUS SUPPLY	● VR	VERTICAL RETRACE
● G-SC/PIP	GREEN SIGNAL FROM SCART/PIP	● VSAW	VERTICAL SAWTOOTH FROM THE VERT. DEFLECT.
● HA	HOR. REFERENCE PULSE FROM TDA 9141	● +VFB	VOLTAGE FROM DEFLECTION PART
● HA-PIP	HORIZONTAL SYNC OUTPUT FOR PIP	● +VIDEO	SUPPLY VOLTAGE FROM SMPS TO CRT
● HDFL	HORIZONTAL SYNC. OUT	● +V	POSITIVE SUPPLY FOR IF002
● HDRV	SYNCHRONIZATION SIGNAL FROM DEFLECTION LINE	● -V	NEGATIVE SUPPLY FOR IF002
● HFB	HORIZONTAL FLYBACK SIGNAL	● Y.FC	Y.VIDEO CAMCORDER
● HP3	FLYBACK PULSE FOR DYNAMIC FOCUS	● Y-IN	Y INPUT FROM SCART SWITCH
● HTR 1/2	HEATER	● Y-PIP	Y/VIDEO MAIN PICTURE
● I CUT	CUT OFF CURRENT	● Y-TV	Y INPUT FROM PIP
● IIC-CL-1	I2C CLOCK BUS 1	● 8 VSB	8 V STANDBY
● IIC-CL-2	I2C CLOCK BUS 2	● 5 V	5V POWER SUPPLY
● IIC-DA-1	I2C DATA BUS 1	● 9 V	9V POWER SUPPLY
● IIC-DA-2	I2C DATA BUS 2	● 12 V	12V POWER SUPPLY
● IR	INFRARED		

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 **THOMSON CONSUMER ELECTRONICS**

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- SERVICE -
GÖTTINGER CHAUSSEE 76 • 30453 HANNOVER (GERMANY)


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Service - Information

TELEFUNKEN

ICC 11 DM

TECHNICAL DATA - CARACTERISTIQUES PRINCIPALES - TECHNISCHE DATEN DATI TECNICI - CARACTERISCAS DEL APARATO

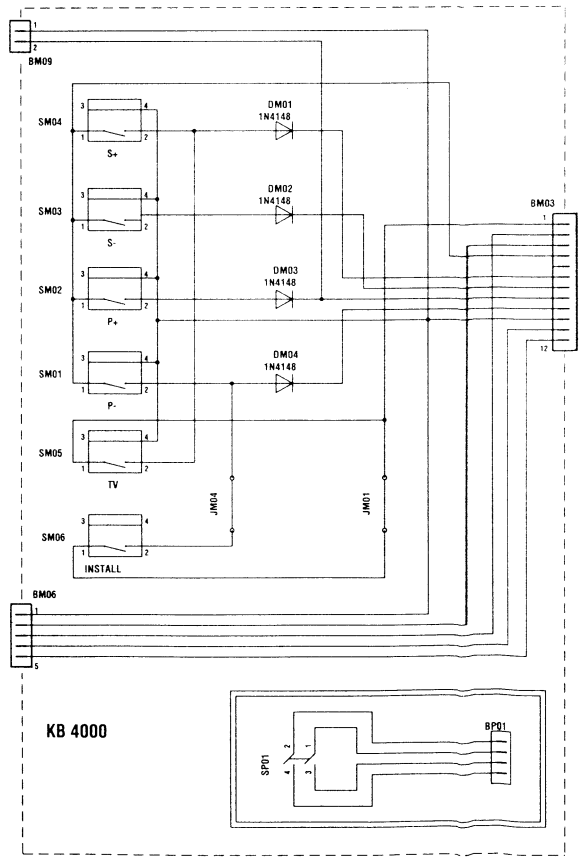
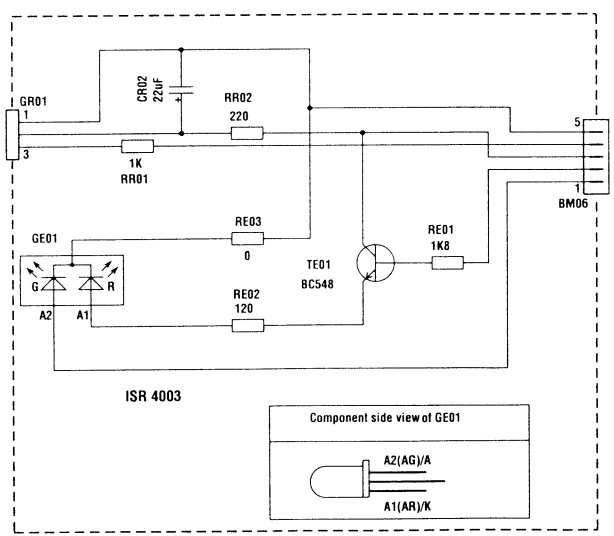
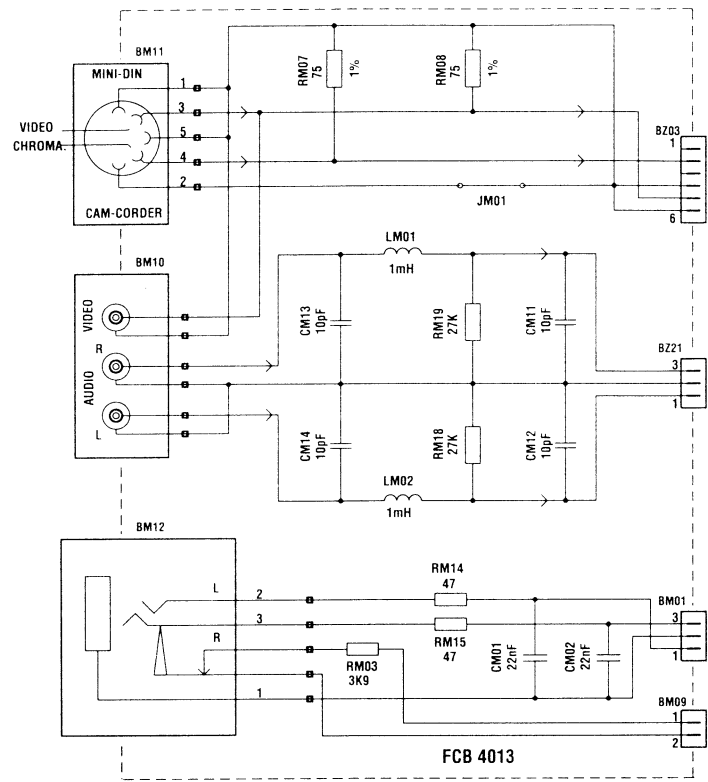
Type of set : Type d'appareil : Geräteart : tipo d'apparecchio : Tipo de aparato :	Color receiver with 99 program control. Récepteur couleur à télécommande 99 programmes. Farbfernseher mit 99 Programmplätzen . ricevitore a colori con telecomando 99 programmi. Receptor color con mando 99 programas.		
Standards received : Standards reçus : Empfangs-Standard : standard ricevuti : Recepción :	Standard B, D, K, L' 625 lines, bands I and III Norme B, D, K, L' 625 lignes, bandes I et III Norm B, D, K, L' 625 Zeilen, Band I und III norma B, D, K, L' 625 linee, bande I e III Norma B, D, K, L' 625 líneas, bandas I y III	Standard G, I, L, K' 625 lines, bands IV and V Norme G, I, L, K' 625 lignes, bandes IV et V Norm G, I, L, K' 625 Zeilen, Band IV und V norma G, I, L, K' 625 linee, bande IV e V Norma G, I, L, K' 625 líneas, bandas IV y V	
Colour decoding system : Système de décodage couleur : Farbsystem : sistema di decodifica colore : Sistema de decodificación color :	PAL / SECAM / NTSC		
Channel selection : Sélection des programmes : Programmwahl : selezione dei programmi : Selección de los programas :	Selection of 99 programs by remote control with frequency synthesis. Sélection des 99 programmes par télécommande à synthèse de fréquence. Wahl der 99 Programme über Fernbedienung mit Spannungssynthese. selezione dei 99 programmi con telecomando a sintesi di frequenza. Selección de 99 programas por telemando síntesis de frecuencia.		
Cathode ray tube 110 ° : Tube cathodique 110 ° : Bildröhre 110 ° : tubo catodico 110 ° : Tubo catódico 110 ° :	Diagonal : 63 cm Diagonale : 63 cm Diagonale : 63 cm diagonal : 63 cm Diagonal : 63 cm	70 cm 70 cm 70 cm 70 cm 70 cm	4/3 4/3 4/3 4/3 4/3
	Z = 4 Ω		
Sound power : Puissance du son : Ausgangsleistung : potenza del suono : Potencia del sonido :	2 X 16 W RMS		for 10 % distortion. pour une distorsion de 10 %. Klirrfaktor 10 % per una distorsione del 10 %. para una distorsion del 10 %.
Power supply : Alimentation : Stromversorgung : alimentazione : Alimentación :	220 V - 50 Hz		
Power consumption : Consommation : Leistungsaufnahme : consumo : Consumo :	120 Wh		

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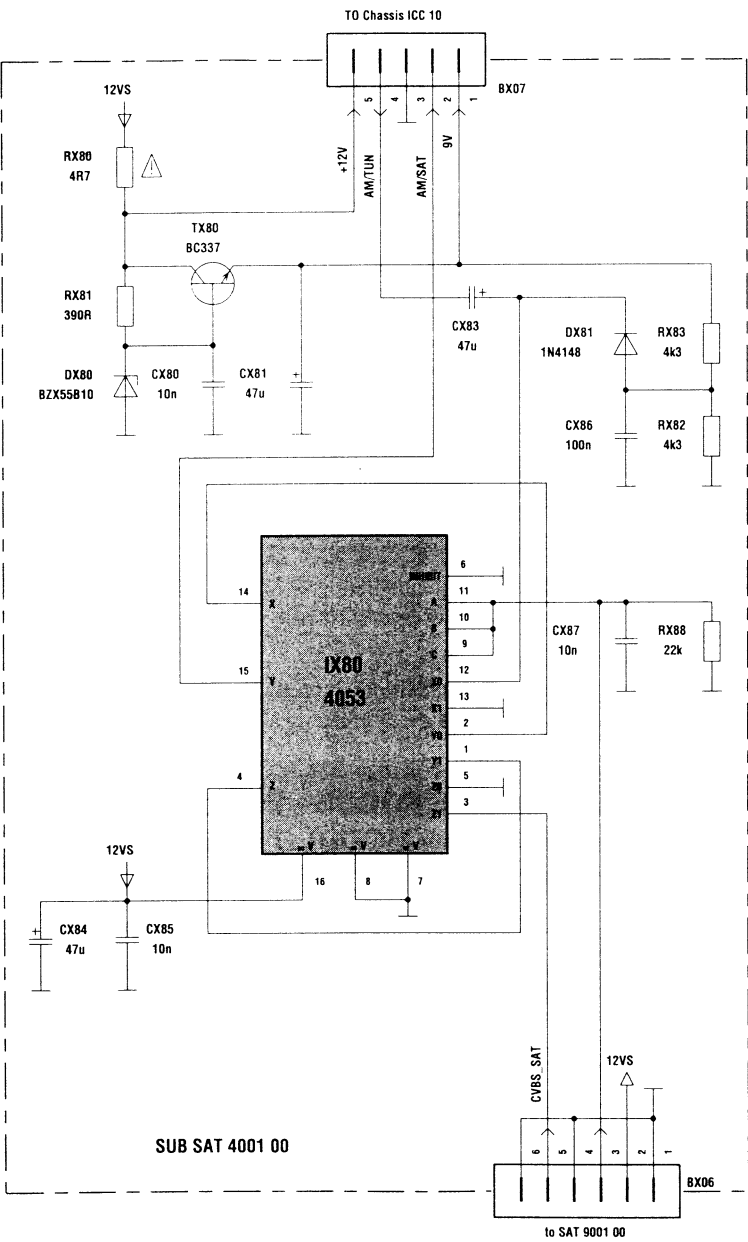
FRONT CONNECTION BOARD - MODULE PRISES EN FACADE ET INTERCONNEXION DU CLAVIER

FRONTANSCHLUSSPLATTE

PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL

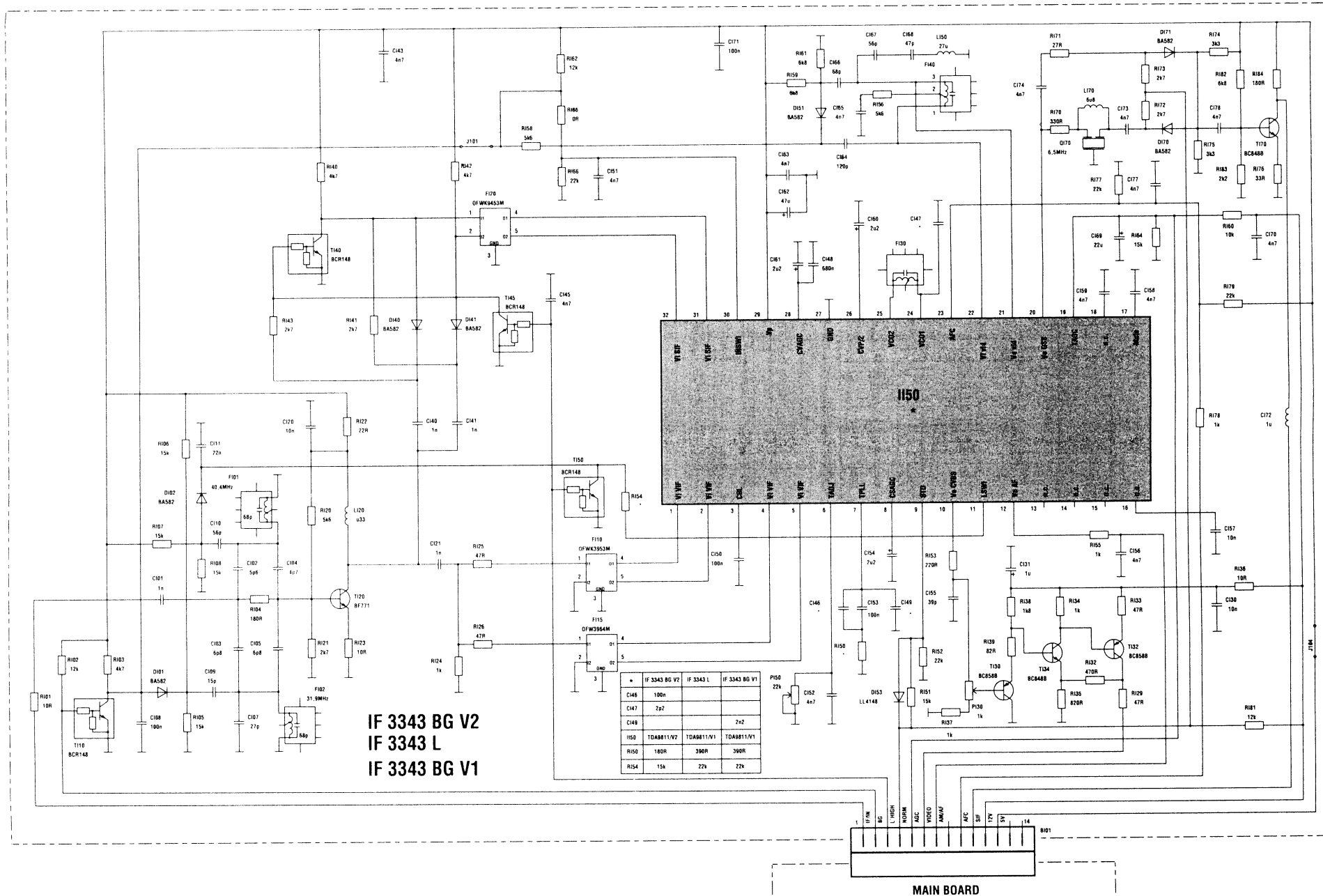


SATELLITE SUB-MODULE - SOUS-MODULE SATELLITE - SUBMODUL SATELLIT
SOTTOMODULO SATELLITE - SUBMÓDULO SATELITE

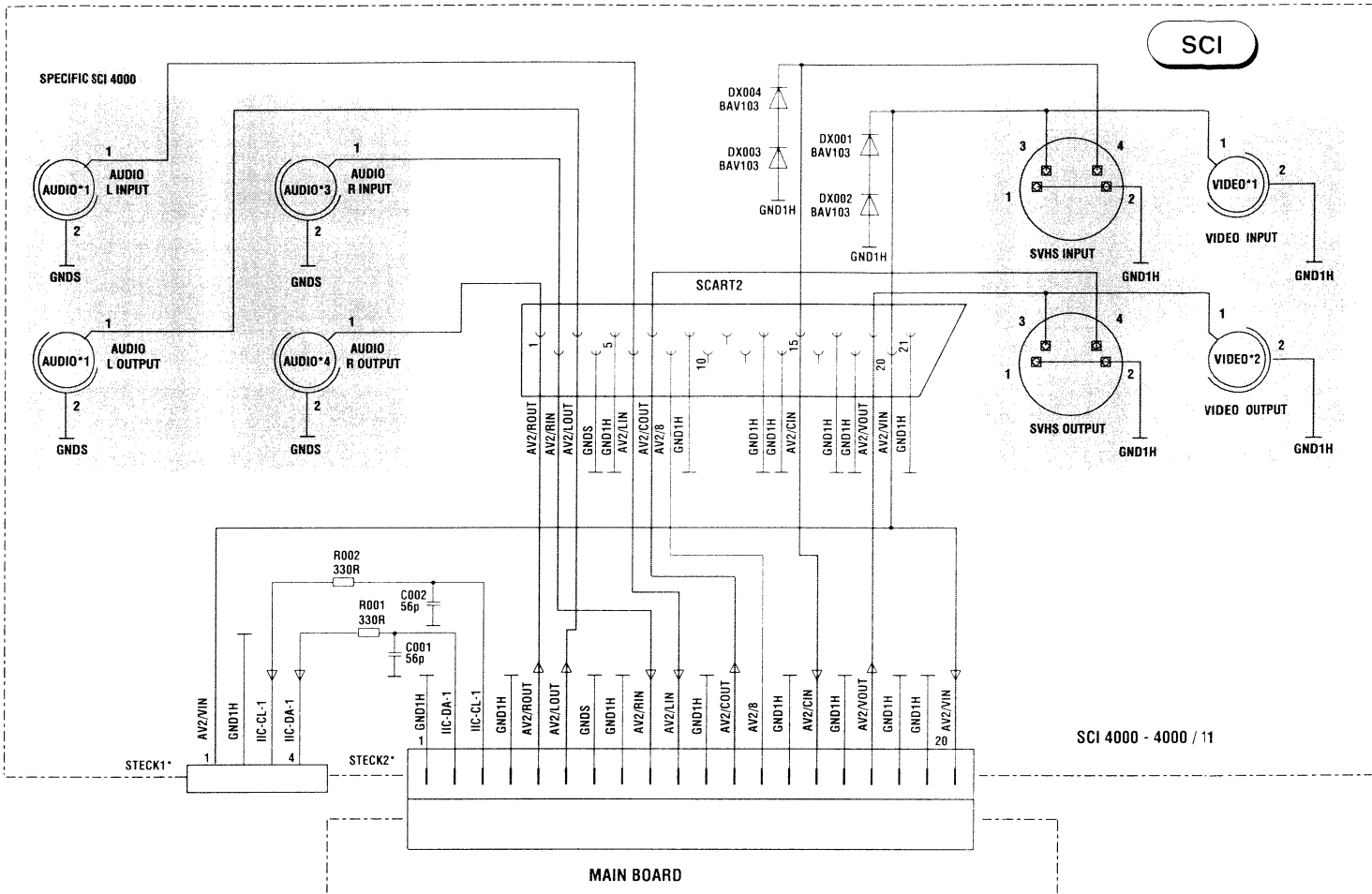


IF AMPLIFIER - AMPLIFICATEUR FI - ZF VERSTÄRKER - AMPLIFICATORE FI - AMPLIFICADOR FI

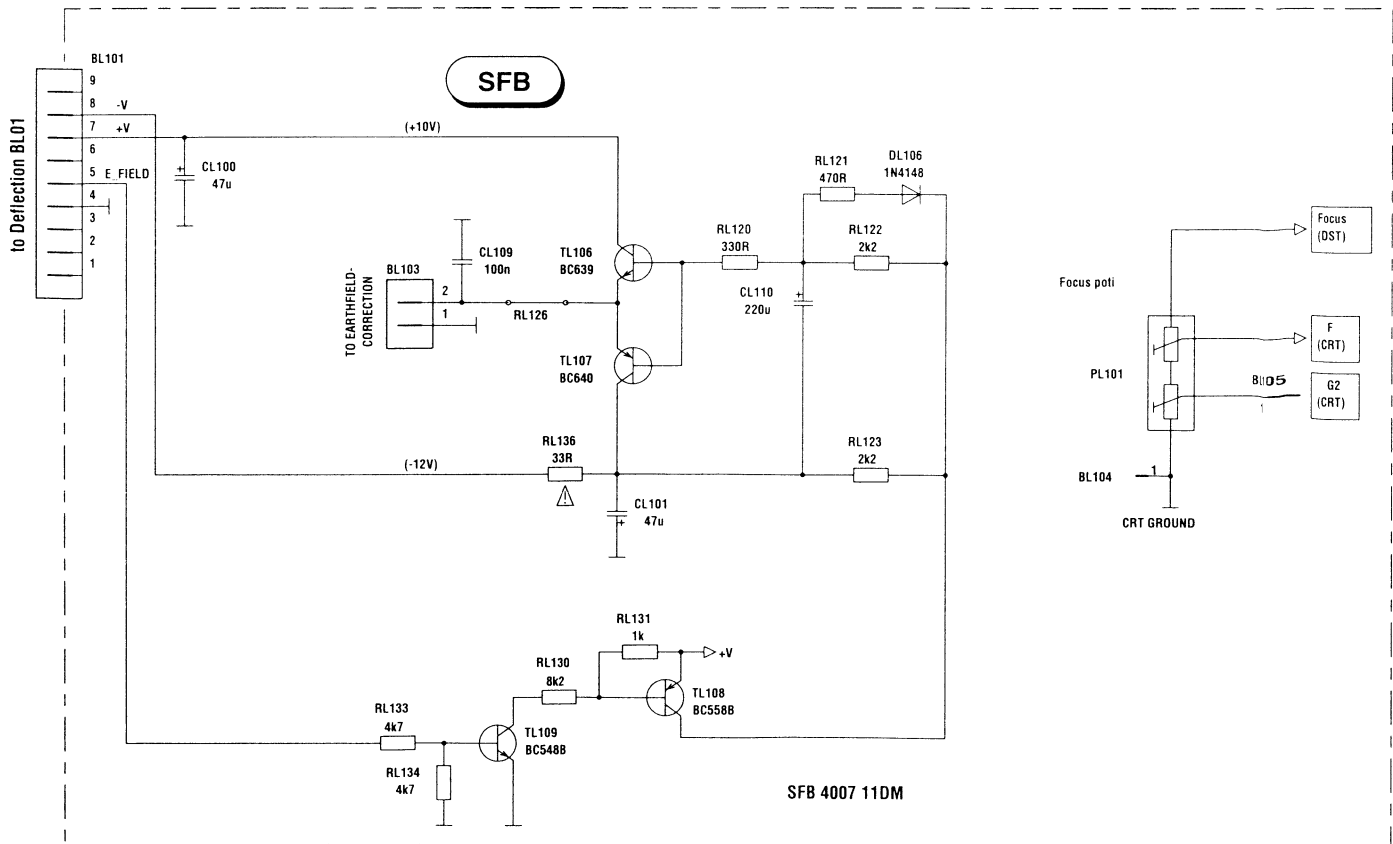
For information only



**SCART INTERFACE MODULE - MODULE INTERFACE PERITELEVISION - SCART INTERFACE
MODULO PRESA PERITEL - MODULO EUROTOMA**



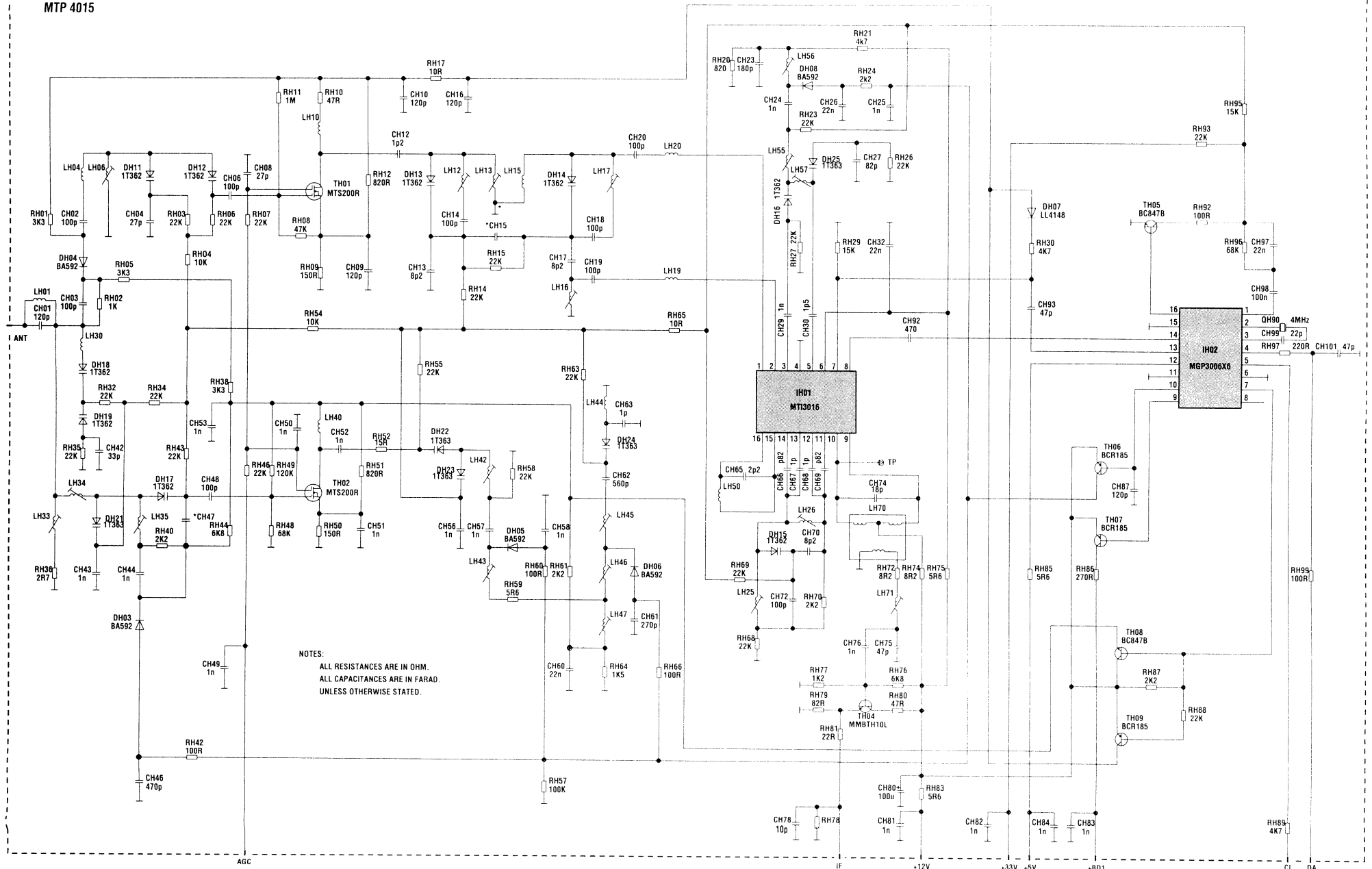
**FOCUS MODULE - MODULE FOCUS - FOKUS BAUSTEIN
MODULO FUOCO - MODULO FOCUS**



VHF - UHF TUNER

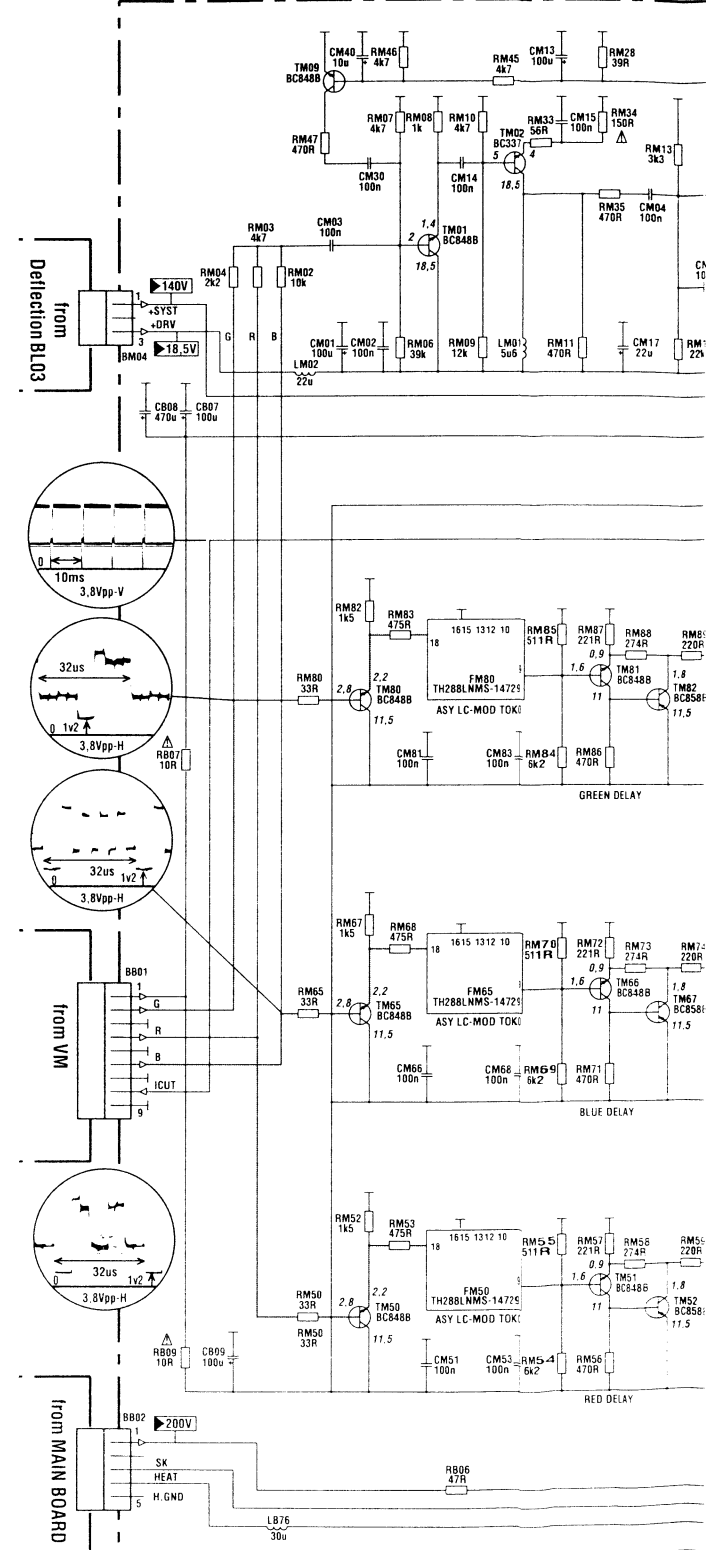
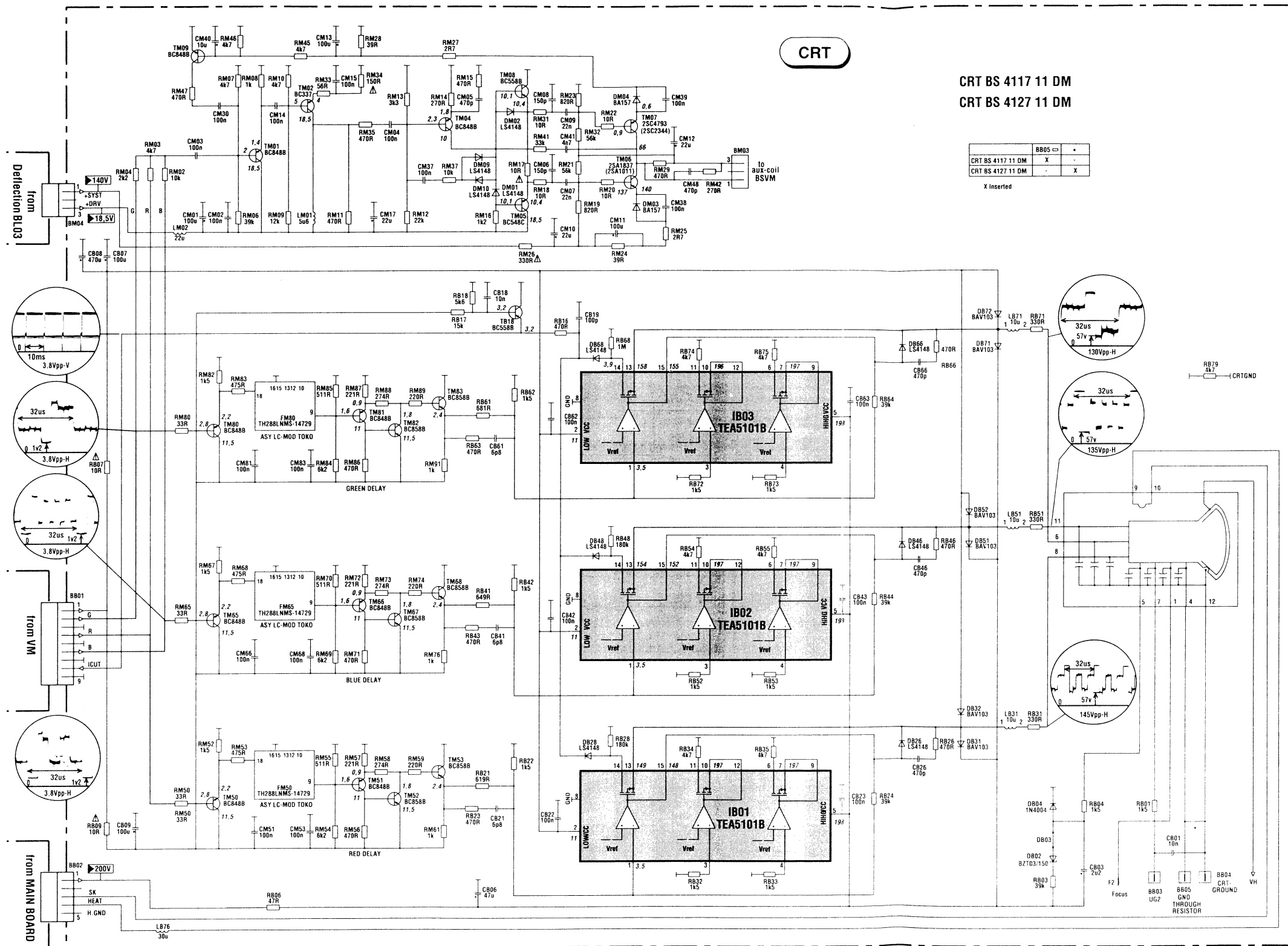
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MTP 4015

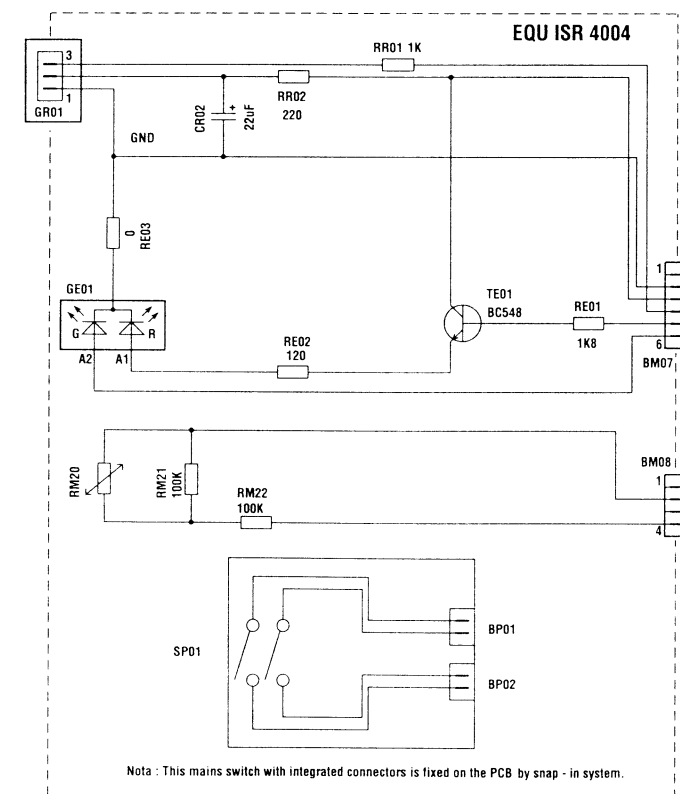
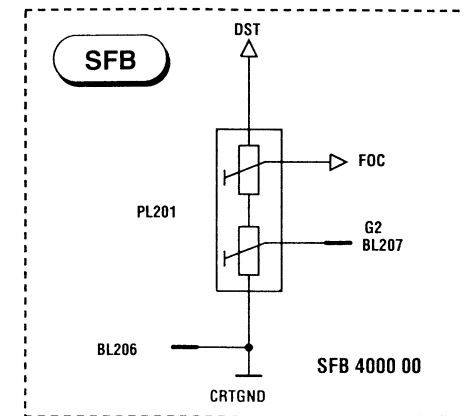
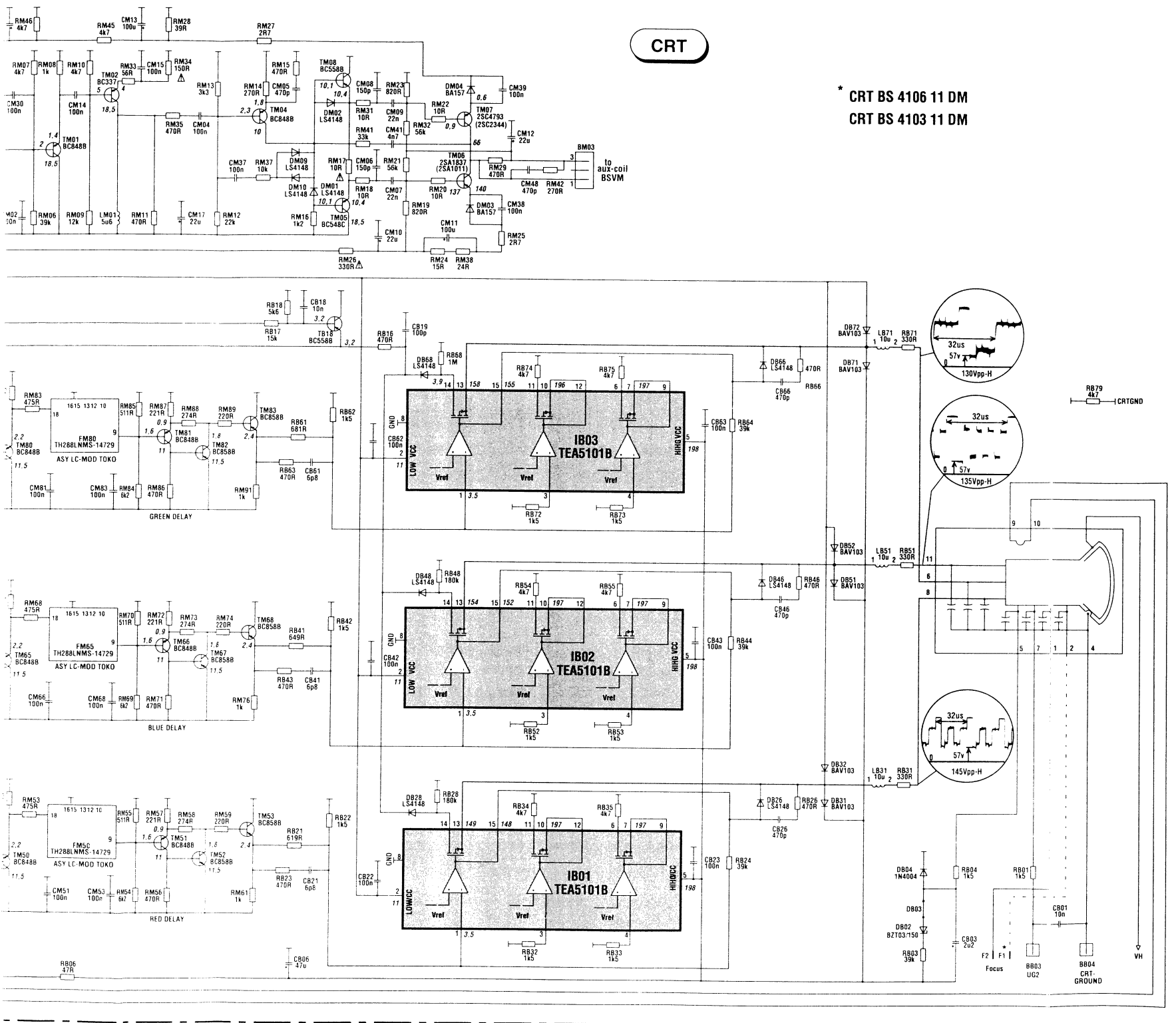


TO " MAIN BOARD "

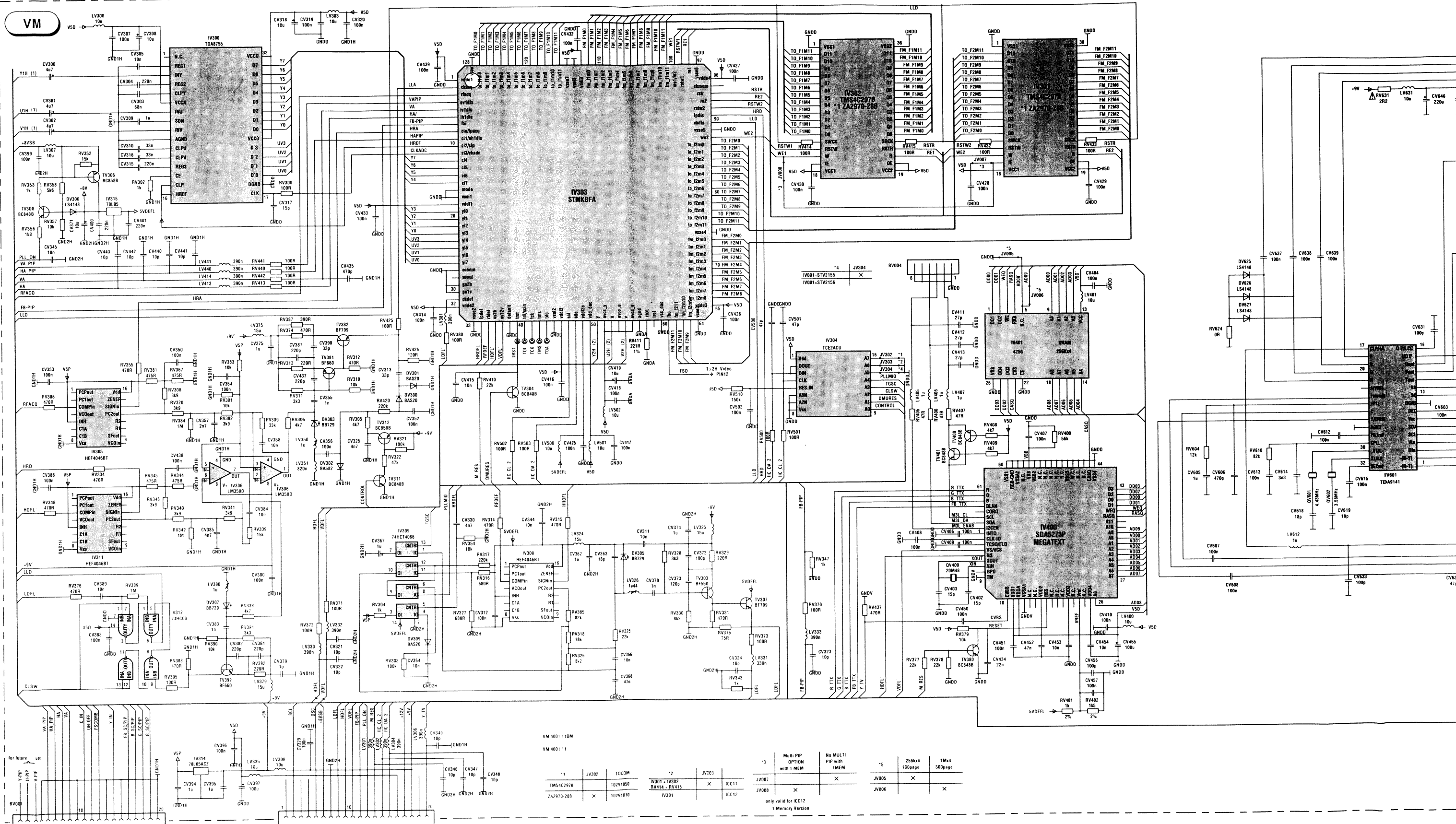
VIDEO AMPLIFIER - AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKER - AMPLIFICATORE VIDEO - AMPLIFICADOR VIDEO

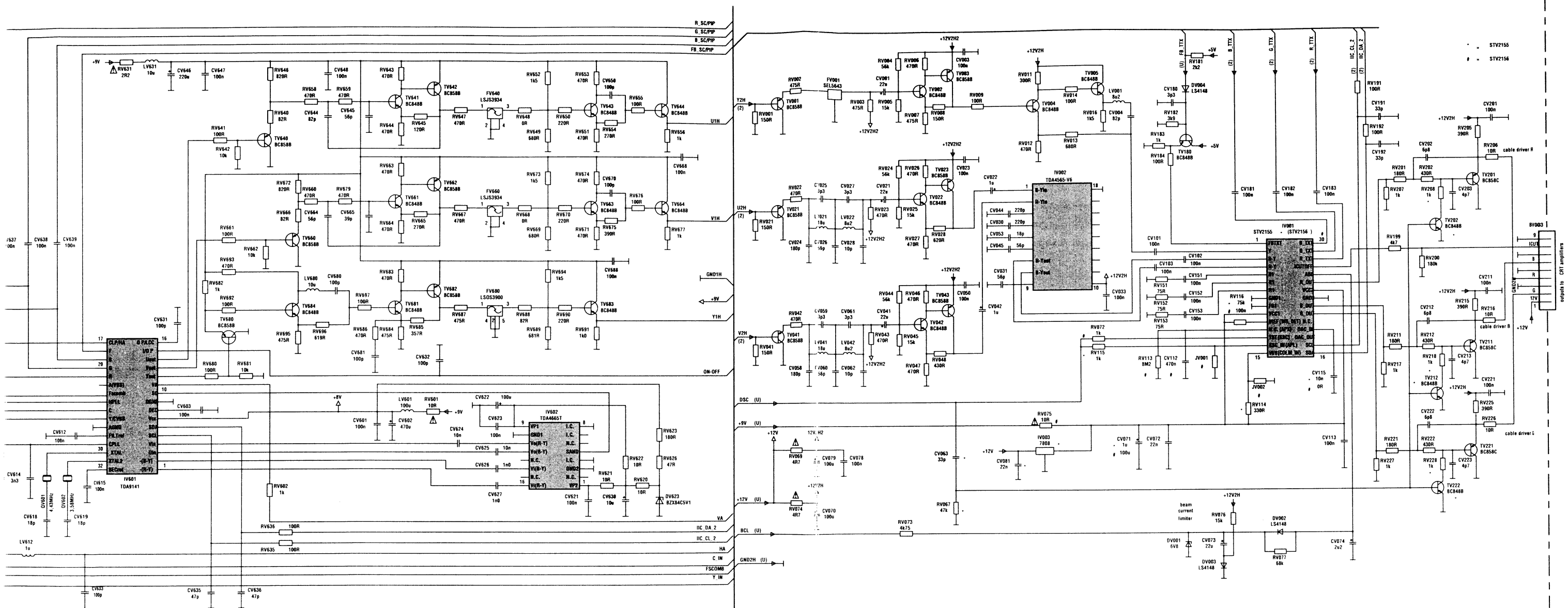


**FOCUS MODULE - MODULE FOCUS - FOKUS BAUSTEIN
MODULO FUOCO - MODULO FOCUS**

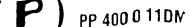


VIDEO MODULE - MODULE VIDEO - VIDEO BAUSTEIN - MODULO VIDEO - MÓDULO VIDEO

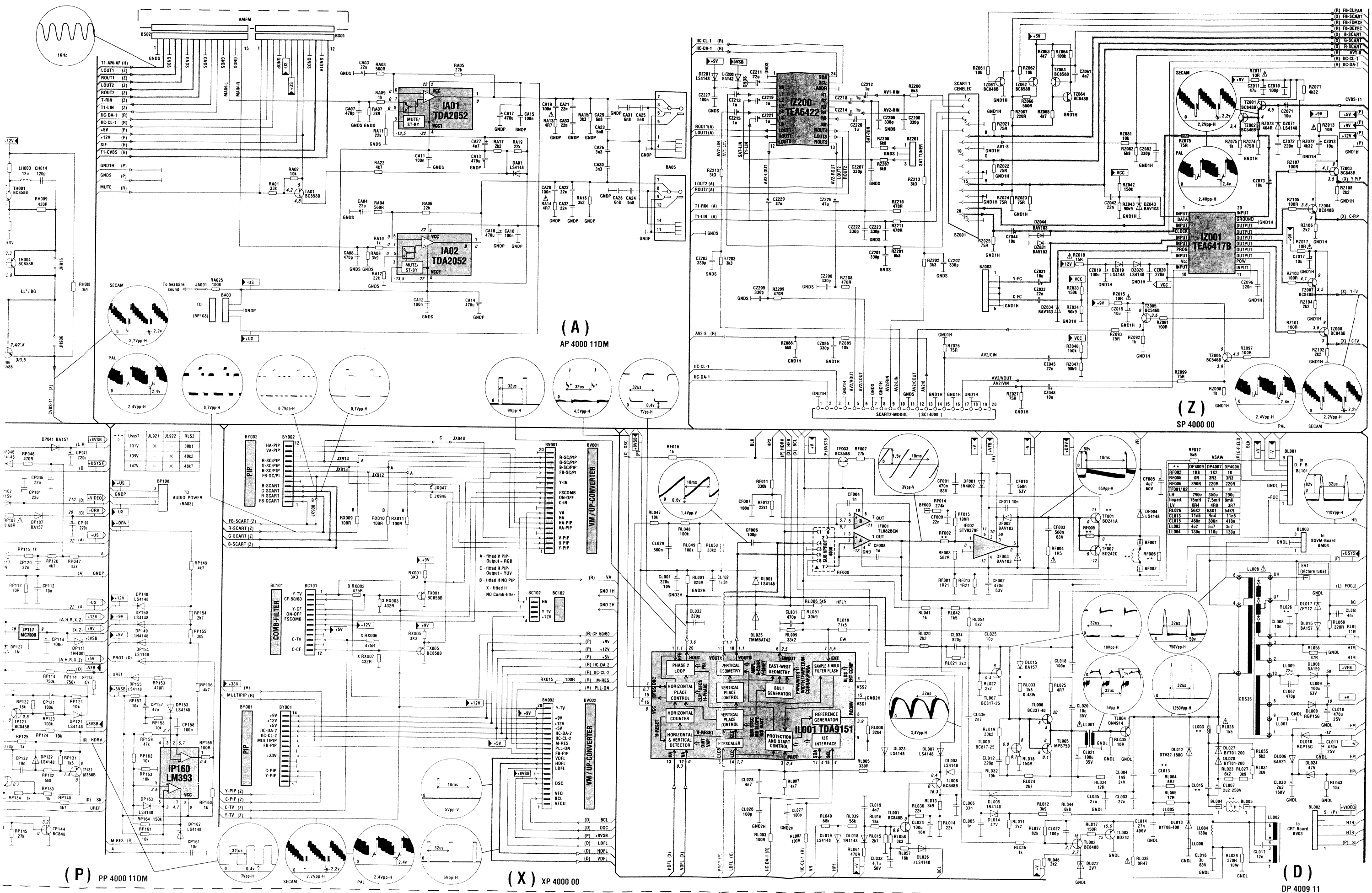




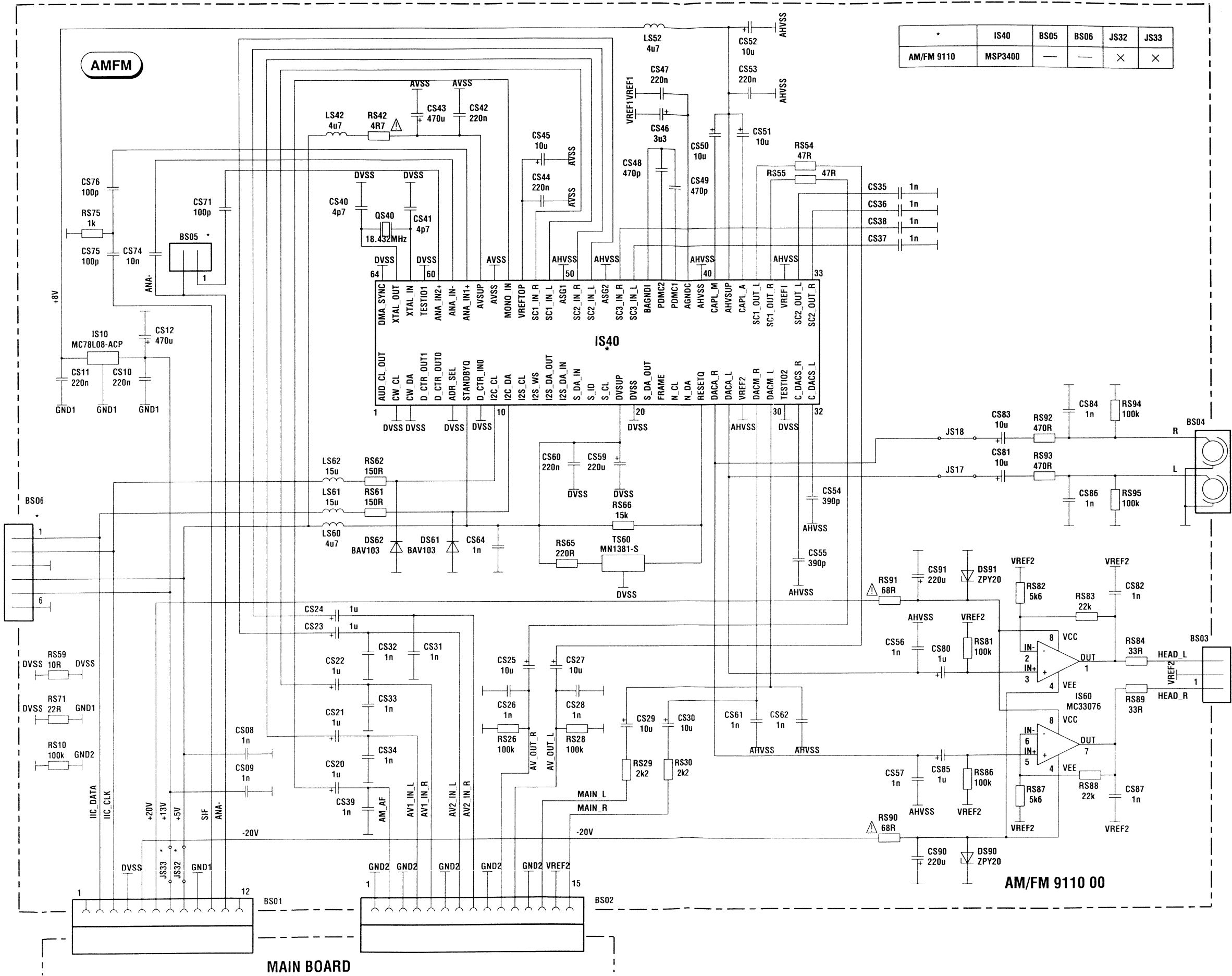
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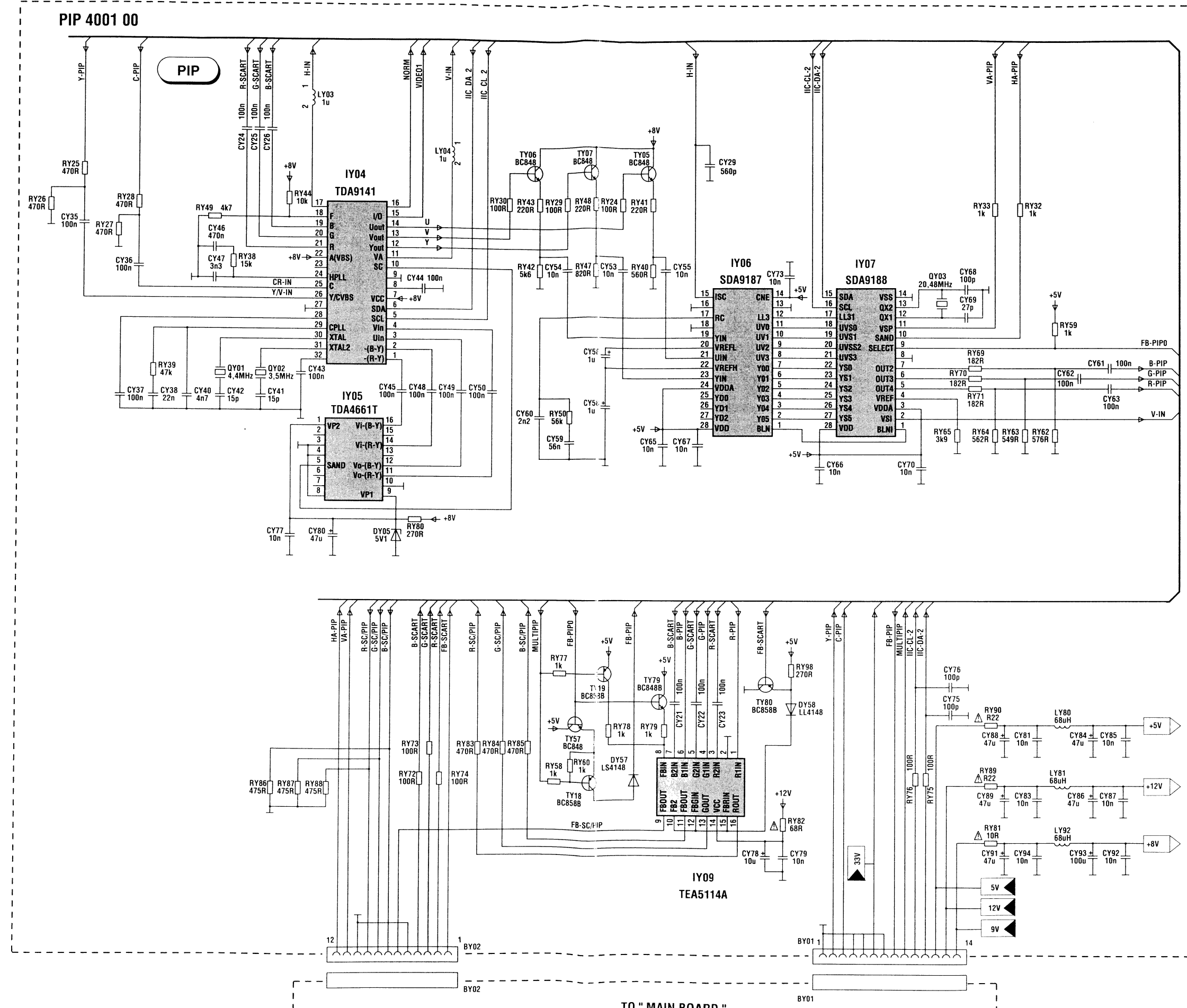
P) PP 400 0 11DN



AUDIO MODULE - MODULE AUDIO - TON SIGNAL BAUSTEIN - MODULO AUDIO - MÓDULO AUDIO



PICTURE IN PICTURE - MODULE IMAGE DANS L'IMAGE - BILD IM BILD BAUSTEIN - MODULO IMMAGINE NELL'IMMAGINE - MÓDULO IMAGEN EN IMAGEN



TO " MAIN BOARD "

FRONT CONNECTION BOARD - MODULE PRISES EN FACADE ET INTERCONNEXION DU CLAVIER

FRONTANSCHLUSSPLATTE

PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL

